

FIGURE 1

FIGURE 1 (continued)

GTAGAACAGCTGAAGTGTCTTTATGATCCTGCTTGGCCCCCTTCTGGAAACTTGGATTGGCC
 TACTTGAGTCAGTCAGTCACTGTCAGTAACTACTTCTAGCCTCAAGGTCTTGAAGGATTGGATTTGA
 GAACCCACAATAACACTTGTCTAGGTACTGAAAAGGTCTCTGAACCTATTCAATCTTTATGTTCA
 TCCCACTGTTTCTGGCTTCTGGCTAGGATCTGAAATAGCTTGAATGAGCAGCTTGGCAAGCATTTCCATT
 TTCTCTCCCACTCTGCTGGCTGGCTAGGATCTGAAATAGCTTGAATGAGCAGCTTGGCAAGCATTTGG
 AACCTGAGTTCACAAACAAAGAAACTCTGATTCCAGATAACCCAGGAGTTCTTCTCCATAATCTAG
 GAGTTTCAAAAGGCTCTTGTCTAGGTCTACTGCTGAAGTACACCTTCACTGGCAAGGATTTGAAGCATTA
 CCTGCTCTCACACCCAGGGAAAGTGGCTTGTAAAGGTTCTGGATTTCAACCCAGGCTTAAACCTTA
 CAAACAGAAATTATCATGATTTTCTTCAAGTACAGCAACATTAGGATCAATGTTGACAT
 CGTATTGGTTTGTAGTCTGTAAATTAACCTCAGTGGCAAAACACTTCTGCTTCTTCTTCTTGA
 GTCTGAATTTCTGGGGTTCTCAAAATATGTCTGCTTCAACCTTTTATGAAACACCTAGGGATTA
 AAGGGCTAAATGTGAAGGAAAGTCTTACAAATATTCATCTTGGGAAGCTCTATTTGGTAGTTCTA
 TTAGGAAAATAGACACAGCTTCAAAATATATATATATCTGAGCCTGGCATTTGGTAGTTCTA
 TCAAAACGTTTAAATCTTATTTAGTAAAGACTAACATAGACCTAAGTGTAAAGACTAAATTAAG
 CTGGTAGGTGATCATGTTGAAATAGCTTGGAGTAGATTCTTCTAGGACAGAAAACACCAACAAAGA
 GAAACAAATGACTAAATGGACTTCAATTAAAATTTGAACTATGTTCAACAAAAGACATGCTAAATTAA
 ATACAGAATTTCAGACTAAAGAAAATTTGAACTATGTTCAACAAAAGACATGCTAAATTAA
 ACAAAAGATTCCTGTAGCTTCAATAAAACAGACATGCCCATCCCATAATAAAAAGGACAAAAGAC
 TTGAACATATACTACAAAAGAAGTACAGGAATGTTCAATAAAAGCAAAATGAAAGAGTGTCTGACA
 TCACTAATTATCAGTGGAGTGAAGATTTAACACAGGGAGATACGAATTCTAGGTTAGGTTTAC
 TCAAGTGAATAAAACATTATCAGTAAAGAAACTTGTCAAGAAGTCTTCTAGCAGTGTCTTATTCAT
 AAGAGTGCAAAATGGAACATCCCAAGAATGATAACCAATTATGGTATAGTCTAGAATATACTTATT
 TATCAGCAGTTAAGAAGGGAACTTCTTATGTTACACACATGGATGAATCTTAAAACATGGTAAAG
 GCCAGGTGGCTTGTGCTGATGCCCTGTAACTTCAAGCCTCTGGGGAGGGGGGGGGGGGGGGGGGG
 TCAGGAGTCTGGACAGGCCAGCTGGCAACATGGCAAAACAGCTCTCAACAAAATACAAAATAGCC
 GAGGGTGGCAGCACACCTGTAATCTCAGTTTCTGGAGGAGCTGAGACATGGGAATCTGCTTGAACCTGG
 GTAGAGGTTGACTGGCCAGATTGCTCATCTGACTCTCAGGCTGTGAGCAGGGAGACCTGCTCA
 GAGGGAAAAAAATTTAAAGCAGCACAGGGAGTCTATTTGTTATGATTCTTATTATAATCTAG
 ACTAGGCAAAATTTATCCTCATGTCAGTAACTGAGCTTCAAGGATCTGGTTGGGGGGGGGGGGGG
 TGAGAAGGGAAATAGTCATGTCAGTAAAGTACTGCTCTTCTCCCAATTACAAACCTCTGAGAAAAGT
 TACTAGAAAACAGAATCCAATTGCTCTCTCACCCTTCACTTGTAACTCTGAACTTCAAGATCTGATTT
 ACCCAACCTCTGCTGATGGATGAGCAGCTTATAGAGGACATAATAGTGGGCCACTACTGTTTAAA
 AAGTCATCCTAACAAAGAATGTCATCTACAAATCAGTTAAATGATTTACCCATTACTGAAGGAGTGTGAA
 TTAGGGAAAGAGGAGGG
 GTGAGACCTTCTGGCTGGAAAGCTGGAGTAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT
 GCATTGACACTCGAGGAGCAACATACTTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GCTCTGCTCCACCTCCATCTCAGCTTATTTGAGGAATCTCTAGATCTCTGGGTGAGAGGCCCCAGCAG
 CCTGTGAAGGTTAGGTATTTCTGTGGTAGTACCTGAGCTGCGGGGTTGGGGTTTTCTTAAATCTGTT
 TACCTGACTCTCACCTTACCTGGCTGTGACTTAAGGAACTTGACAGCTGAGCTTGGGGGGGGGGGGGG
 GAGACAGGGCTTGGTAGTCTGCACTAGTGCAGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 CTGTTGAAGGTGAGGCTTGTGTCACATTCTTCTGGCTGATGTGAGAAGGAGTGTGTCATGGAGATTAC
 TACTGACTTGTGCTGAGGACAGCTTATATCTCACCTTTCTTATTCACCCCTGTTAAATGTCAAAATGTA
 CTAGACTTGTGAGGAGTATTTCTGTGCTCAGGACTAATCAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 AAACCTCTGTAGCCTAACAGTGCATAACACTGGTACACATGATGTGAGAGTGTGAGGAGTACTCTTGT
 TAACTGTGTAAGCTTAAATTCTGAGTACTTTAGGATTGAGAAGTGGAGACATCTTGTCTAGGTA
 TCTCATGCTTCTGACACCCAGAAGGGCTGGTGGCCTTGGCCCCACCCCAACCCCGCCCCCTTCTTCTT
 TTGATAGGGTCTGCTGTGCTGGCTGG
 GACCAACGGGTCCACCGTCATAGTCAGGAACTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 GGG
 CTGTTTATGCTGTTTGTATGATTCCTGCTCTGGATTCTGTTGAGAATTTTCTCCCTCTCTGACTGT
 ATAAATGGCTCTGCTGTGAGGCTTATTCATTCAGCTTGGTAGCAGAAGTGTCTTCACTATTGTTA

FIGURE 1 (continued)

GATTCAGTTTCACATGGTTTAGTAACCCCTCATGGGTTAGAATCAACTTTAACCCCTCCACCAAA
 AGCTTATTTTTAAAGCTCCAGAACATAGTTCTCACTCATCAAGAAATGCTTTAAAT
 GCAGAAGTTAGAAAATGGTGAATAATTAGCTGTCTGGAGTCATTGTCCTTAGATAATCATGT
 TGAGTCCTGGTCTGCTTGCAGCTCCACACACTGTAACTTAAATGGAACTACTAGATTAA
 TGGAAATCAGTCCTGGAGAAAATGCTATTGGGTCACAGGTTGGCAGCAAGGGTGGAAATGATGTG
 GGAATGGGGTGTATTGCTTGTGACAGAAGTTAGTTGGACATCCATGTTGGGTTTTCC
 CAGAACATAAACTTGGAGAATAGAGCTAACCTTCTGGAAAGCCTAGAATGCTGTTG
 GCTTGGCAGTGAGATGGACATACTGCACTTAAACAGTTAAATGTCACAACTCTTCAGTGT
 TTCTTTTACGTTGCTAAAGTCAGTCTCTCTTTGTCAGGTTAAATGTCACCCATGGT
 GGAGCTAGTGGGCTACTTGGCTACTGCAACCTCTGGCTCTGGGTTCAAGCAATTCTGTCTTA
 GCCTCCATTAGCTAGCTGGATTATAAGGCTTGGCCACCTTGGCTGTATTCAGTCAGTGT
 ACTACACTGTCACAACTAATCTACATTGGTTGGCTTTACAGGGTGAAGAGACTGGCAGAAATA
 CGAGACTCTGGCCGGCTGAAAATAGTGGCAAGATCAGGAAAGCAGTATCAGAAGCTGGAGTCC
 AAAGAGATAAAGCTGGCGAGAGCTGAGGCTGTAGCCCTGTACTTCATGCAACAGGTGAGGACATTC
 GGCATGCTAGTTGAGCTAACAAAGGGAGTTCTGCTCTGCCAGGCCCTGTGCCACATACTGA
 TATCACAATCACATACATATTGTTGATGAAATCAAAAGTGTGCAACAAAACATGCTTGCC
 TTACTGAGCAGTAGATTCTGATCTTTAACTCTATTCTCATCTTAAAGGTTGTTAAACTT
 ATAAAATGTTAAATAACCATGAGGTACCACTTATAGTTAAAGGTTAAAGGACACGCTTAGAGGAGA
 TCAATTCTGGTACTCAGGAAAGAAAAGTGGCTGTTTCTGGGCTTAACTCTGGTATTTAACTAA
 GTTCTGAATTGCTCAAAATCACACTGCTTTGAGTTGATGCCAGAGTAGGACACTCTCAT
 TTGCTGCCATTATTTTTCTCTCTCATCCATTAGGTTAGCTGAGGGGGAGGAGTAACACTGCA
 AGTTCACAGGCCATGCTGACTGTGCTGCTTCAACAGAAATGGGGAGCTTGTGTTTGGCT
 GAAATTGCTAAAGGCTAAAGGCTGGGGCAGTGGCTCAGCCGCTTAATCCAGACGGGGGCCA
 AGGAGCTGGAAACAGGGTCAAGGACCATCTGGCAATAGTGGTAAACCCATCTACTAAAAAA
 CAAAAAAATAAAATTTGGCTGGTGGCGGGCGCTGAGTCCAGCTACTGGGAGCTG
 AGGAGCAGGAATGCTGATGACCCGGAGCAGGAGCTTGAGTGGCAGGAAATGGAGAAGAAG
 GAGCATGAAATTAAACATCCTATAGATTCTAGTGTGGCTTCAGGAGGAGTAACACTGCA
 AGTTCACAGGCCATGCTGACTGTGCTGCTTCAACAGAAATGGGGAGCTTGTGTTTGGCT
 GAAATTGCTAAAGGCTAAAGGCTGGGGCAGTGGCTCAGCCGCTTAATCCAGACGGGGGCCA
 AGGAGCTGGAAACAGGGTCAAGGACCATCTGGCAATAGTGGTAAACCCATCTACTAAAAAA
 CAAAAAAATAAAATTTGGCTGGTGGCGGGCGCTGAGTCCAGCTACTGGGAGCTG
 AGTGGGTTGACTCTTTTGTGTCCTTGTGCACTTGTGCGGACCCAAAAGTGTGAGCAGGCC
 AACATGGCACATGCTGTAGACCCAGCTATTGAGAAGCTGAGACAGGGAGATCAGTGGAC
 AACAAAACAGACAGGAGCTTGTGCTGAGTGGCTGCTGCTGAGGAGCAGGAAATGAAA
 AGGAGGAAGGAGAAAACAGGGAGCAGCTGAGTGGCTGCTGCTGAGGAGCTCATGAGTAAA
 AGAGTTGGATGCTGAGGAATAGTGGTAAAGTGTGACTCTCTGGAGGACTCATGAGTAAA
 AAGGCTCCTGTTGAAACAGGATGAGTAAATGTCAGTCAGTGTGACTGTGTTTGGCTTAACT
 GCATGGGTTGACTCTTTTGTGTCCTTGTGCACTTGTGCGGACCCAAAAGTGTGAGCAGGCC
 AACATGGCACATGCTGTAGACCCAGCTATTGAGAAGCTGAGACAGGGAGATCAGTGGAC
 AACAAAACAGACAGGAGCTTGTGCTGAGTGGCTGCTGCTGAGGAGCAGGAAATGAGTGG
 ACCTTGGCTCTCATATAAAAATAAAATAAATGACTGTTGAAAGGGGGAGGGTATTTGATATC
 TTGTTGACTCTTTAGTCACTGTGCTCCGGCTGTGCTACCTTCTGGTAAAGGAGTGGCTTCTCTATA
 GCAGTATTCAATGAGGAGCTGCTGTAGAATAGGGCCTTAGAGCAAACCTCAGCATATGTTAACTTATCT
 TAGTATCCCCCTGGTCACTGGTACATTGTGCACTTTGTCAGCTTGTGCTGAGGCC
 GAGTGGAAAGGTTAATGTTAGTCCAGATCTCTGAGGCCCATCAGAAGAGGGTACTATGCTGTGAGT
 CCCACACCTAATCTTCCCATAGTATGGGCAACCCAGAGACTTACAGTGTGAGGATCTAAATAC
 AGCCACACAGCAGTCTCTTCTTATAAAAGACACCTCTCTCATAAAGGACACCATATACTGAGT
 TTGCTGGCTGTGGAGTACTCTGGCAGAGATTAGATAACAGTATGTAATCATGTAATTTGAGCTGAT
 ACTGTGTAATGTAAGGAAATATCTTATTTAGAAACACACTGAGGACCATATTATAAG
 TAAGTACTTAAATGTAAGGACTTACCTTAAAGTAAGTAACTTAAATGTAAGTACTTAAAGGAC
 TATAAGTAAATGCTTAAATGCTGAGAACAAACAACTTATGTTATATATCTGTAATATAACATGG
 GAGAGTGGAGCATACATGCAACACTGTCGAATGTAATGGGGTAAATGTTAACAGTGAATCTCGGTGAC
 GGATGTAGCTGTTCTTGTGCTTCTTGTGCAAGTTCTTAAAGTGTGGGGTATTTCTAAAGGTT
 GGATTTTCTCAAGGAAATATAATGAGGACTTACCTTATCTTTGAGTTTAAAGGAACTTAAAC
 ATGGAGAACAGCAGGGGGAGGAGTGTCTTGTGACTCATGTAATGAGTGAAGGACACAAAGT
 GAAGGGAGTCCAGGCCAGGCTCACAGTACCTAAAGGGAGGGTGTGCGAGATGACTTGGGCTCTCC

FIGURE 1 (continued)

CTTAGCTGGCTGCTGTGGCATCCCCATACACTCTCTTCCCTCTGAGTCACGGTGAATCTG
 TAGTCAGAGAAAGACACATCTGCTGAGAACACTGCTAAAGCACTCAGGGTGGGGGTAGATGAGCC
 ACCTTTATCCTCCCTGCTCTCGAGCTTCCCTCACTGAATGCCAGCACCCCTGCTGGAGACC
 CAAACCTGTCCTGTATCTTAATAGGGAAAGGAAAATTGGTTTGTGTTAAAGCCACCAACC
 TGGCCAGGCTTGGCTTACGCCCTGTTAGGCAAGCTTGGAGGTCAAGTAGGGAGACCTTGA
 GGTCAAGAGTTGAGCACGCCCTGGCAACATGGCAAAACCATATTACAGGTGTTAGTACACCTG
 AGTCCAGCTGCTTAGGGCTCAAGGAAGGATGTCAGGCGGGAGGTGAGGCAGAGTAAACGGAGA
 TGTGACACTGCACTTCAGGGCTGGCTCAGAGACCTGTCATACACACACAAAGATGAAATA
 CTTCATAGAGAGGCATCATGTAACCTGTATTCTGAAATTCTTCTTCCAACTTCCACCTTGT
 AGGGCCATAAACTGACAGAAGGTTGACTGCACTGCATAAAATTCTGAGGTGCTGGAGGAGCAG
 GTAGTATAGCTTGAACCTATCTGTTCTGCTCCAGTCTGTTATCTGAATAGCATTCAG
 GATCTCATGGAGGGCTTGACGCCAAGGTATCCCTACATACATGCCCTCATACGCTACAGCAGCAG
 TAAAGAACACTGACGCCCTGAAGTATGCTTGGCAGATAGGGCCACACCCCTACTAATGTTATCCGGT
 GACCTTGTATTCTAAGGCTTAGACTGTTACTTTTCTTCCACATTGTTGCTGACACATTTTC
 CCTTGTAGACCTCTAGTAGCGAGATAATGTTGTTAAACATAGGATCAATGCTTCCCTCC
 CACCCCACTGAACTTCTGAACTGTCAGCAGCTTCTGCTACAAAATGCTGCAATT
 GTGTTTATACATATATACCTTAAAGGCCACAGTGTAGAACAGTCTGTTGATGTTCTGTTAAATGGA
 GAGAGTAAAGTGTGATGTTACCCAGAAAATCAGGAAACAGTCTTCTTCTGAGGTTCTGTT
 TTCTGTTAAAGAGAGTATGTTACTTCTATAGCTGTTAGTAAATATACCAAGATCCACGGGCTT
 TTTCTGTTGGAGCCCTGACTATTGAAATTCTACTGCTTCTGTTAAATACATCAGTGGCTTAAAGAT
 ATGACCCAGAAAAGCCAGGGTAGGTATGTTGAGGGTAGTATTAAAGTGGTATAAGAAATGCCAC
 TATACAAATAAAAACATTTTTGGATGGCATTTTAAATTCTTAAAGTACTACAGGCC
 ATGTCAGTGGCTCACACTGTAATCCCAACACTGGTAGCCAGGAGAATCCTGAAACCCAGG
 AGTCCAGACAGGCTGGCAATGTAGTGGACCTTCTACTAAATTCTAAAATAGGAGCCTG
 TGGGGTGTGACCTTGTATCCCAGCTACCTGGAGGCTGAGGGAGGTTAGGCTTAAAGCTA
 CGACCATACCACCGCACTCAGCTGGGTGACAGGGTGAGACGCTATCTAAATAATAAACC
 TAATAACTACCAACTGGCTTAAATTTTTTTTTTTTTAGGTTAGGCTTAAAGGAGTGG
 TATACAAATAAAAACATTTTTGGATGGCATTTTAAATTCTTAAAGTACTACAGGCC
 ATGTCAGTGGCTCACACTGTAATCCCAACACTGGTAGCCAGGAGAATCCTGAAACCCAGG
 ACCCAGGTTGGAGTGCAGTGGCCGATCTGGCTCACTGCAAGCTCCGCTTCTGGGGTCA
 TCTGCTCACGCCCTCCAGTGGACTACAGGTGCCGCACTGTCGCCCGCTAATTGTTGTT
 TTAGTAGAGACAGGTTACCGCTTGTAGGAGGAGTGTCTGACTTACCTGACCTTGT
 TCCGGCTCCAAAGTGTGGGATTACAGGTGTCAGCCACCGCCCGGCCAAATTCTAAACTT
 GTCTCTTCAATTCTCTGTTCTGCTACATTGGTGGAGAGTGGGAGGTAGGAACTGGCC
 TAGAATTATGGAAATGGCAAAACCATGTAATATCAGCAGCCTATGATGACCATATGGGG
 AGGAAGCAAGGAGATGAAGGGCTCTAGCCAAGTCTCTGAGTAAAAGAGGTTAGATTTT
 TTACATAGCTACAGGTTCTCTGTTGATGAGGTTAACCCAGGCAAGCTTACATAACTCTCACT
 ATCATTTCTAAAGCTTGTGCTAACCTTGTGCTTACCTGCTGACCTTGTGATCTGGCC
 AGTAAGATAAGGCCAGAAAATCATGGGACGAGGCACTGGGGAAAGACATCTGTTGTT
 GTGTCACAAACTGACCCCTTGTGCTACATTGCTTACAGCGATGAGAACATCCAGCGAAGATC
 CTTCCTTATACCGTGCACAGCTGTGCAATTCTGTAACCATCAGGGCACCCAAA
 ACTTTGAGAAGTCTATGTAACCTGCAACTAAGGATCTTGGATAAAAGGAAACTGCTGCTG
 GGCAGATTACTGCGAATGAGGAGGATCAGGGCTGAGATATCAGCAGGCCAGTGTGGGCTG
 AGGTCTATGCTAAAGATAACAAATGGGAAATATGATAGTAGTTAATCTGATCAAGATACT
 GAGTATCATTATCAAGAAATCTTATTCTACGGCATAGAAGTTCTACTGGCCACTCC
 AAACTAACTTGTGTCACATTGCTACAGCCAGAAATCAGCCATTCTCAATTAGATGTT
 GAGGCTTCAATTCTGCTACAGCCAGAAATCAGCCATTCTCAATTAGATGTTCAATTG
 AAAGATGATGAAACAAATTATATATTAAGTCTTCAAACTCAGGATAGCTTATT
 TCCACATGTAATCATTTTATATAGTTCTCATCAAACTCTGTTGAAATCTGGCC
 CTGCTGCCCTAAAGGGAAAGACTGGTGTGCAAATAGGTGCTATTCTGCTGAGGCC
 TCCCAACTGGCCCTGTTGACTGAGCTTTAAACATAGGCACTTAACTTGTGAGT
 TTAGCAGTGTGACTCATAAACTATCCTAACTGTTGCTGAGGAACTGGAGAATT
 ATAGAACAGATAACAGGGTAAAGGAAACAAATTATATTGAAATACAGTT
 TCAAAATACATTTAA

FIGURE 1 (continued)

AGTCGGATAATAGATGTGCTTCCCTTAAAGGCTTGAGGTGGCCTGTAGTAATTTCAGGTAGTAATT
 AATTAAATCATGATCTTAAAGATTCTGAGCAATTCAAAATGAAATGAAGATGCTCACATCTAT
 TGATGATAAAGTCATTAAGTGTCTGCTATTACTATGTTGTCCTACACCTGTAACTCTCAGCATTTGGGAGGTTGAGG
 TGGGAAATCTCTTGGAGCTAGAAGCTGGTGAGCTGGCAACAGGACCTGGGCAACATAGTGAGACCCCTGTGTTAA
 AAATTAAAATATAAAATAAGTCCAAAAGAGGTTGAAATATAGATTTTCTCTCATCCAAAG
 TTCTGGAATTTCTATCTGTACAACCTGGAGTTAAAGAACTACTACTGTGGAATGAGACTGCAATTAAAG
 GCCCAGAATTTTCTTCACTGGAGATTCTTAAGATAAGTACCCATGACTAATACCTGTTCAAA
 AGGTACACAACTTAATTTCTGCTACAGATGCCATCTGGCTTCTTGTGAAGAGACGTACATGTCACA
 GTGATGATGATCATCCATAGCCTTGTGATCTCTGGATCATATGTTGGCAGGCAAAAGACTCTAG
 ACCGGCCATCTTAGGCTCACATTCTGCTGCACTGTAAATGCTGGTCACTGGATTTGTTCT
 CCTCATGTTATCATACAGGCAAAAGCATGAATATTCACTGGTGTITACCTAATTCAGGAAA
 ACCCTCCCAAGGAGTGGAGGAGCTTTTGTGTCCTCTGGCAACCCGGTTGGCAGGCCACGCT
 GCTGGCCAGATGAGCCCTAACCCAGGATCTCCCTCTGTGTCGCCAACAGAACACGCCCTCT
 TTGGCAAGTGAATCAATGAGCTTGTGATGCTTGAAGAATTGACATAGCCTGCAATTAGCATC
 ACAGAAATGGTAAAGATGCTTGTGTCATCTACATTCCTAAAGAATCTGGCTAGTGGTGTGTT
 GATGCTTTGTATATGAACTCATCCCTCAGTTGGCTTGGACACATAGATGTTGAAAGTACGCCAT
 TCATAGAAACATAATTAGTGTACCTCTCAATGGTGGCCCTGTGTTCAATCTGGGCTGTGTT
 CTAAACACAACTTACAGGAGTTCACTGGAGCAGCAGTGTGTCAGACATGTTTACTCTGGTAGAG
 GTTGTCTTCACCTCACATAGTACCATAGTTGGGCTCTGGCTCTGTAGTACGGCTGAGCT
 GACAGGGGCTCTAGCTCCATGTGTTATCACTGCTGCTCTAAAGCAGGAATCTGAGAAGAACCTTAAAGT
 CACAGGGGCTCTAAAGGATCTCAACAGGAAGGCTGAAACTGCCCTGTCTCTTCTTAAAGT
 TATGGATTCCTAGAGATTCATGGGGAAAAGCTCACAGCTAAAGTGTGTTCAATCCATGAGT
 GACAACATAAGGTCCTCCACCTCAGACTCTCTCTCTCTCTCTCTCTCTCTCTCT
 AUGCTGGAGTGAGGGGATGATCTCGCTACTGCAAGCTCGCTCCCGGTTCTGCAATTACT
 CCTCAGCCTCCAGTAGCTGGACTACAGGCCACCAACAGCCTGGCTAATTGTTGTT
 TAGAGGGGTTCTACCTGGTGTGAGGAGCTGAAACTCTGAGCTGCTCTGGCTCTCTCT
 CCTCCCCAAAGTGCTGGATTACAGGGTGGAGAACCCGGCCCTGGTACCCCTCTCT
 CTGGTTTAACTGGCAGACTGTGAGGGATCTGAGACACTGGCTGAGCTGTTGGCTCTGGGTT
 CTTTAACTGGCAGACTGTGAGGGATCTGAGACACTGGCTGAGCTGTTGGCTCTGGGTT
 GACAACAGCTAACCCCTGCCATGCTCTGGTTGGAGACACTGGCTGAGCTGTTGGCTCTGGGTT
 CCCCTCCAGACTGTGAGGGATCTGAGACAGCTGGGTTCCAGTAGATGCAAGTCTGC
 TTGAGTTCTTAAAGGAGGACTCTACAGTGTCTTAAAGTAAGAACAGTAACTGGCACAGGATCTT
 TGATAAACAGCTGCAATTGAGCTACCTCTCCAGATGATGAGCAGACTGGCTCTGAGAAGAT
 CAGCACCCAGATTCCACGCCACGGGGTTCTTCCCTGAGCCCTAGGTTACTGCCCTGAAACCT
 TGTTCTTCCAGATCTGAGAAACAAATGTTGAACTACTGCTCTGCTGATCTCTCTCT
 CATGAAGCCACCTCTGGTTTTTTTATCTGACAAACCTGACAGAGACAGCTGGCTGAGATACT
 TGGTTTACCTCTCAGGGAGGCAATTCTCTGAGCTACAGCTGAGACAGCTGGCTGAGGAG
 GATGAGTGGCAAGAAGGAAACAGCTGAGAGATGCCGGAGAGACCTGAAAAGTGTCAAGGCTGATGCCAAG
 GTCTAGCTTAAAGAAGGGAGGGGTTCCGGAGACACTGGCTGCTCTCACATGCCATTCTAAC
 ACAGCATGTTAGCTGGGAAACTCTGGCTCTGAGCTGTAACAGTACTCTGGTGTGCTGAGCCAGGC
 TCTATGAGGCTTATGACTCAAGGTGGCAGATGGTACAGTGTGCTCTGAGCCAGGC
 CTGGCTTGGAGGACTCTGCTATTCTCTAGGGTACTAGAGTCAAGAGAGAAGGCTGAGACTGGA
 GGACAGTGTGAGAGCTGGAGCTGAGCCACAGAGGAGAGGAAATAAACAGATGCTGGCTGGGAAAC
 TCCAAACTCAATTACTGGACCTCTAGGATCACAGTGGCTTGGTAAAGTGTGAGGCCCTTGGGAAAC
 CTGCTAGCTTAAAGAAGGGAGGGGTTCCGGAGACACTGGCTGCTCTCACATGCCATTCTAAC
 ACAGCATGTTAGCTGGGAAACTCTGGCTCTGAGCTGTAACAGTACTCTGGTGTGCTGAGCCAGGC
 TGTAATGCAATTGCAACATTCTGGTTGCTCTTAAAGGTGAGCTGCTGTTACACTGCTCTGAGTGT
 TTTAAAGAGGAGGGAGGCTCCATCTCTCTACACTCTCAACAAAACCTTGGTAAAGTGTGAGCTG
 GAAGTGAAGAACAGGATTAAGGATGAGAAATACAGATGCAAGACTTACACAGAGGCCAGGGACCTT
 AACAAAAGCAGATAAAACTAGGTTCTCTGTGTCACACACAGTGTACATCAAACATCTGAAACAAAGTG

FIGURE 1 (continued)

GCTTGTATGGAGATGTTAGTTGAGCTGTTAAGTCTGAGCATAGGTGGAGATATCCTCCCTATG
 GCACCTGCTAGTCGGGCTAAAGTTCATCTAGGTTCTTGTACCTCTTCTGCTGTTTGCCTGTT
 TGGTCTAGAGATTGGTACGCTTAAAGGCATATAGTATAGTGGTTAAGAACATGGAGAAAACCTG
 CTTGGGTCAAATTCTAGGCACTTACCGCTAGCTGTTGGAGAACATGGAAATTACCTAACTCTCT
 GCCTCAGTTCTAGTCAGCTTCTACTTGTACATCTGCAGAACACCTACTTAAAGGATCTGC
 GATTAATAGTGTACACATAAAACCTTAAAGAACATGCTGGTCACTTAAATTTGCTACCTCACTAG
 ACAGATGTAAAGAGAGATGGAAACATGACCTGGGCTCAAGATATGGGCCATCTGAGTACCCCTA
 ATCCCCCTTATTCCTTGTGTTGGAGCTGCAAGAGTGGGTTGCCAAATTGAGAAAGTACAC
 AAAACCCAGGGGAGAAGTGTGGCCATTGACATGGCTGAGAACACTATGAGTTTAGCCAGTCT
 CAAGAGGAGAGTCTGAGAGGAGAACAGTGTGGGAAAGATGGATAAACTGAGCCCTACTGCC
 CTCGTGCTGGGGAGAGGAGCAGCTTAAACAAACACATCTTGCAGAAAGATAACCTGGAGA
 TATATAAGGAGACGCTGGCACTTGTCTATGCAACATTAAATTTAAAGATATCAAATT
 CTAGCTGTATGATTGTTTGTAAATTGTTTATTCAGAGGGCAAGTGGATGGGATTGTCAGCG
 TTCTACCAAGGCAATTCACTGTTCACTGAAATGTTGGATTCTCTAGTCACTGTATGCAAATCCGAT
 TATATGGTGCCTTACAGTGGGTTTGCATAACTCTATTTAAATGAAATAAACTTCCCTAA
 CTCCCTCCCTCTCCCAATTCTAGGAAATTAAATTAAGTGAACAAAACCCAGGCCACCTGTTAGA
 GTCTGCACTCTCTATTGTCTAGGGATCAATTTCATTTAAACTTGAAGCAGCTGCTGGCTTGGCAGTGT
 TTGGTCTGACACAGCTTCAAGAAAACCATGGGAAATTTCTGACTTGGATGTTCTTCTTAA
 AATGTAATTTTTCTTAAATTAAATTTAAACCTTCTGACTTAAAGATCTG
 TAGAATGGGTTGGGGAGGATGAAGGGCGAGTGAACATAAGGAAATAATCACTGACTGAAACC
 ATTTCACATCTCTTGTCTGACCTCTGACGGTACCTTAAAGGATATCCATCTTCTTCTTAAACC
 CTAATCTTCACTGAAAGTTTATGTATAAAAAGTTTACAGGTCATAAAACTTAGGAAAATGAG
 TATTGGTCAAAAGAAAAGGAAATAATCAAGATTAGGGCTTTTATTTCTTGTAAATGTTAA
 AAAATGGAAAACATAAAAGGCAATTAAATGAGGACATTTTGCTATAATCATTGTT
 AGGCATTGTTAGTTAGTGTGTCAGACTTCATTTCCACATTTCTCTCAAGTATCTCTTAA
 TCACTGAATTCTTAAACTCAACTGTAGGTTTAAATAAAATTCACAACTTAATGAAACATTAAAGT
 GTCTGCTCTTGTGAAAGGGCCTCAGGGCAGAGTGGGGCTGGAGCTTGGGATGAGGCTCA
 CCACTCAGGTCAGCAAGAGTAGCTTCCAGGAGCAGATGAGGAGGGCCTGGCTGGAAAGGAGTGT
 TGTGCTGCTCTGCTGCTGTTGGTTAAAGGAGTCAAAGCTTCTAGTAAAGAAGAC
 AGGAAAGGAAAGGGAGGTCAAAATCCACAGTAAGGTTGCTGAGAAAGCAGCATCGGGCCTAG
 CGTAGGTTAAAGTATTGAGCAGGAGTGTGCACTGTATTGACTCAAAGTTTGGAGAGCTTCCATG
 TGTACTGGCAGAGCAGAGGGAGCTGTTAGGTTTACCTGGCTAAAGGCTTAAACATGGGATGG
 GAGAATTAGGTTCAAGATCCAGAAGGCCCTTCCCAACTGGGATGCAACCTTCTCCCTGATTGACTG
 TTAACTGTTAAAGGAGCTGTTGGTCTGACGACACTTCTGCTGCTCAGTACCTCTGGCTAT
 GGTCCTCACAAAATGTCTTGTCTAGCTTAAATTATGAGTGTGCTGGAAATTCAAGATGAAAGTGA
 GGTCCTGCTAGGTCAAATGACTGAGGGCAGAGGAGGCTGGCTGGTAAAGGTTGTAATTAAAGT
 GAAGGGCTGGGCTGGGCTCTGCTGTGAGCAGGAGCTGGTCTTCCGGGAGGGCAAGGACATGTC
 TCTGTTCTCCCTGAGGGCTGGAGCAGGGCTGTACTAGGCCCACACAGAAATCTGGAGGTCTGGC
 AGCTGTATTTTATAACCACTGAAAGAGGAGCAGCATCACCCAGGAATAAGGGAGTTATGAGCCA
 TCACTGCTTGGAGCAGAGACTCCAGGCTTGGTCTGACGAGTGTGAGGAGTCTGGGCACTG
 AATGAGGAAATCACACAGAGGGCTTGGTACGGCTTCTGATGACAGGAAAGTAACTGCTACCTCTG
 TTGGCCTGAGGAGCTGGGAGACCAAGGCCAGAGAATGGAGCTGACCTGGCCACTGGGATGAAAGAAGA
 GGGCTGAAAGGAGCTGGGAGCAGATGTTGGGAGGCTTAAAGGAGTCTTAAACCCAGGAGTCAAGAATA
 ACTTATCCTGCTAGTCAGTGGTTTACTTCCAGGCCATCTCAAGAACAGGCCAGATGGCAGGG
 TTGAGGAAACTCCCTCCCATCAGGCCCTTCTGATGACAGGAGTGTGAGGCTGGGAAAGGGCT
 GCTACCCAAAGCCAGATATCTCTGCTGACTGGCTTTCTCTCTTACCTCAGGCTTCACTCC
 CCCAAATCTGGCCAGCAAGCTGTCTCTCATTCTGGCTGGAAAGGAGTCAAAATTCTGACCC
 CTACATTAAAACATGAAAAGTAAAAACCTTACACACCCCTCAGGCCCTTCCAGGCCACTACCTTCCCTT

FIGURE 1 (continued)

TTTCCCAAACAAGCACCTGCAATAAGTCATCACCATCCAGTCATTCCCCACCCACTGCAACTAGCTCT
 GTCCCATGAGCCCCAACATTCTCTTCACTGTGCAAATCTGCGCAATGACTAGATAACCAAAACCAAT
 ACATGGCTCTCCATTCTGGCTTAGAGCTTGTGCGACTGGACACTGGACCATCTTCCATCAT
 TTTGAGGTTACGATGATTTTAGCAACTTGTGAGTTGTGCAACTTAAACCATGTAGTTTTAGAACAA
 TTTCATCTCCCTGTAGATCCTTATGCTCATTTACAGTTAACCATTCACATTCCACCTCCGCTTCACT
 AACCTTCTAAATTGCACTTCTGAACATTCTATGTAATGGAACTTCAATAGGTGCAACTACCTTCT
 CTCTGATTTCACAACTGCCCCCTCTCTGGTTTACTCTGTGCTTCACTCAGGCTTTTCTGAGTCACCT
 TTCTATCAGGCTCTAAGCTCATGATTCTTACCTACGATAGCTATTGCACTTAAAGGTGAT
 GACTCTCTTCTCTAGCTAGGCCCCCTTCTAAGCTCAGACTCACATTCACTACACCTCTGC
 AGGGCATCTACGGGCCACTCTACGGCTCTAGAGACTGCTCAGTACCCACCCACCCAGGCT
 GTTGGGCTGGCTTACATCTCAGGGAAAGGCCACGATCTGTGCCCCAACCCAGAACATAGGTA
 GCCACATCCTTCACTCTCTGTTCCACACCCAGTAATTACTCCTAAACATCTCTCAATACCTA
 AAATTATTCTGAAAATTCTCTCTAGAAATCTTCAATTAATGAGACACTTCAACTTGTGTT
 GAACCAAAAGCCTTTAGGAAAACACATACCTACGGTAAACTGACTCAGTCAGGCCAGTTCTGGATG
 TTAAAGTAGTCTCCCTGACAAAAATCAGTAACAAAGGAGACAAAGAAATTAAACAGACTTAGAATT
 TCACATCCTTCAAGAAATTCTTACGGCAAGGCTCTAGAAATACTAAATAGCCTAAAGGACTTTTTAGATT
 TTAAATTGTACTGT
 TTTTTTTGAGACGGAGTCTAGCTCTGTCAACCCAGGCTGGAGTGCAGTGGCGAACCTCTGGCTACTGC
 AACCTCTGGCCTGGTCAACCATCTCTGTCTCAGGCTCTGGCACCAGGCCAGCTAACATTG
 TATTTCTGAGATGGGGTTTACCCATGTGGCCAGCTGGCTCAACTCTGACCTCATGATCTC
 CCCCTGAGCTCCAAAAGTGTGGGATTACAGGGCTGAGCCACCGTGTGCCCCACACAAATGTGTT
 AAAGGAGTCTTTAGGCCAGGAGCTAGTGTAGCTCATGCCATGAACTTGGGAGAACAGGAG
 AAAGATCACTTGAGCTCGGCCAACAGCTGCACTGAGCTTACTGATCTGCACTTGGAGTCT
 ACAGTGGAGATCTATCACACACACACACAGTCTTTAGGAAAATTGAGATGAGATGGATAA
 TAAGGTTGGGTTGGCTTAAATATGGAGGGTTAGTGGGTAGAATTGGCATGAAACAAAGG
 GGCCACAAATTCAATTGAGCTAGATGATGGGTATGTGGCATTCACTATACTACACGTAGACACA
 TTGAGATTCTTCTTATTATTATTATATACATTAAAGTTTGGGTACATGTCACATG
 TCCAGGTTAGTTCATATGTATACATGTCCTGGCTGCTGCCACCATTAACCTGCTTATTGACAT
 TAGGTATATCTCTAAAGCTATCCCTCCCCCTCCCCACACAGTCCCCAGAGTGTGATGTT
 CCCCCTGTGTCATGTTCTCATGTTCAATTCCACCATGTGAGGAAATATGGCTGTTGGTT
 TTGTTCTTGGCATGTTACTCAGATGTGTTCTCATGTTCAATTCCACCATGTGAGGAAATATGGCTGTT
 CTCACTCATTTTATGGCTCATGTTACTTCCATGTTGTTATGTGACATGGCACATTCTTAACTCAGTCTATC
 ATGGTGTCTTATGAGCATGTTAATAGTCCTTGGGTTATACCCAGTAATGGGATGGCTGGTCAAA
 TGGTATTCTAGCTAGTCTCTGGAGAACATCACCACACTGACTTCCACAAATGGTGAACACTTACAG
 TCCCACACAGTGTAAAGTGTCTCATTTCCACATCTCCACACTGTTCTGACTTCACTT
 TAATGATTGGCATCTAATGGTGTGAGATGTTCTCATGGGTTTGTGATTTACATTTCTCGATGGT
 CAGTGGATGGTGAACATTGTTCTGGGTTGAGATGTTCTGTTGAGGAGTCTGTT
 ATGCTCTTGGCCACCTTTGGGTTGAGATGTTCTGTTGTTGTTGTTGAGGAGTCTGTT
 TTGAGATTAGCCCTTGTGAGATGAGTAGGTGTTGAAAATTGTCCTCATTTGAGGTGCTGTT
 CACTCTGATGGTAGTTCTTGTGCTGTGCAAGGCTCTTGTGTTAATTAGATCCCATTTGTCAGTTG
 GCTTTGTTGCCATTGCTTTGGTTGTTGAGATGAGTCTGCCCATGCTCATGCTCTGATGGTAAAT
 GCTTAGGACCTCTCAAGGAGAACATCAAAACCACTGCTCATGAAATAAAAGAGGATACAAACAAATGGA
 AGAAACATTCCTGCTCATGGTAGGAGAACATCAATGAGGACATGGCCATACTGCCCAAGGTAATT
 TAGATTCAACGCCATCCCCATCAAGCTACCATGACTCTTCAACAGGAAATTGGAACAAACTTAAAG
 TTGATGAAACCAAAAGGCCGATGCCAAGTCATCTAACCTAAAGCCAAAGAACAAAGCTGGATGCA
 TCAGCTACCTGACTTCAAAACTATACATCAAGGCTACAGTAACCCAAACAGCAGTGGTACCCAAA
 CAGAGATGAGATCATGAAACAGAACAGAGGCCCTGAGAAATACAGGGCATATCTACACATCTGATC
 TTGACAAACCTGAGGAAAACAGAACAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GGTAGGCCATATGAGGAAAGCTGAAACTGGATCTCTTCAACCTTATACAAAATTATTCAGGATG
 GATTAAGAAGCTTAAACGTTAGACCTAAACCATTTCTTCTTGTGAGATGGAGTCTGCTCTGTTG

FIGURE 1 (continued)

CCCAGGCTGGAGTGCAGTGGTACAACCTCGGCTACTGCAACCTCTGCCCTCCAGGTTAAACAAATTCTC
 CTGGCTTAGGCCCTCGAGTAGCTGGGATTACAGGCCATGTGCCACTTGTAAGCTAACTTTTTGTAGTTT
 TAGTAGAGACGGGGTTTCCCGATGTGGCAGGGCTGCTCAACTCTGACCTCAGGGTATGCCAAC
 CTCAGCTTCCAAAGTGTGGGATTACAGGTGTGAGGCCGTGACCCGGCCACGCCACGGTACCTGGGCA
 AGATTTTTCTTAAAGATGTTTTTTATTAGACACAGGGTCTCACCTCTGTGGCCAGGCTGGAGTAC
 ACTGGTGTGATCATAGCTCACTATAGCCTGAACCTCGGCTCAAACAACTCCACACTTCAACCTTCC
 GAAGAGCTGAGACTACAGGTGATGCCATGCCGCTAAATTTTTATTTTATTTTATTTAGAGACA
 AGGCCCTCAACTATGTGGCCAGGGCTGCTCAACTTGAGGCTAACGAACTTCCCTGTCTCAGGCCCTCC
 CAGATACTGATATTAGCTGTGAGCTACCCAGAGATTTCATACAGTAAAGCAATTAAGCAATA
 CAGTACTGTTTAAAGGTTATTAGTATATCCATAGAGGAATTGAGGGGGAAAGCAACATCT
 TAATGTTTAACTAAAGGTTATTAGTCTGGTGTGAACTACATCAGTGTAAACATCAACTAACTTCA
 AAGTATCCCTTGGCAACAACTGAGTGAATCTAAACATTTAGCTGAACCGCACACAAAGGTACAT
 ACTGTATGATCCCTTATGTGAAAGATTCCAGAATGGCAACACTAACTGGTAGTGCAGAAGGTCAATCA
 GTGGTTCTGGATGGGGAGGAGGACTGACTGGCAAGGGGCCACGGGAACATTTGGGGTGTGGAA
 ATATCTCTATCTGATTTGGGGAGGTTACATGAGGGTATACATTGTCAAAGCAAAATTACTACCT
 AAAAATGGTGTATTTATGTAATTCTCCTAAACAAAAATTGTTAAAGTAAAGGAAAGATCTA
 AGTAAAAAAGTGGCCGGCGACGGGCTCACCTGTAATCCAGGACTCTGGGCAACGGGCAAGGTGGG
 GGATCACCTGAGGTAGGAGTCAAGACCAACCTGGCACGGTGAACCCACTCTACTAAATAAA
 AAAAATTGGCTGGGGCTGTGGTGGGGCTGTAACTCCGACTACTGGGAGGCTGAGGAGGAAATGG
 TTCAACCCGG
 CGAAACTCCGTCTAAAAAAAAAAAGTTGTTGCTCTCTCACTTAAAGGGGAAAGTGA
 TGATATGCTTGGAGAATCTTATTAGTGTACTCAAAAGGGACTCTAGTGTGAAAATCAGAAATCCAAGA
 TTCAATGTAAGGTTGAAATATGTTTGTGAGGTTGGGGGAAATCAATGTTGCTGATTAAT
 ATATGTTTAAATATGTGATTTAAAGTGTACCTGTAGCTAAATAAATCACTTATATGTGGACATTG
 ATCTCTAAAGGTTTATTTAGTGTGACCAAAACCAACCCACAAAACACTTGGAGTGGCCTATTG
 ATGAAAAATGAGTTTGTGCTGTACTGGAGTGGCCATCTCTTCAAGGCTATACAGTCTCTACTTGC
 TCTACTCTCCACAGCACTAACAGGTTTCAAGGAAAGCCACTGTGCTCTCTACTGGCTCAATGGCC
 TCACACTGAATTGTCATGGTCTGGCATCTCTGTAACCCACTGCTGGAGTGGGAACCTGTTGACTCA
 GCTGTGCTCTTACTGGCTCTAGAGGATGCTCGGTGAAAGCGTGTGCAAGGAGGAGGAGAAAACAGA
 AAAGTGCAGCTGCTCCCTGGCTCTTCCCTCTCTCTTCTTGTGCTATGGCCATATGTTGCTCAGTGT
 GCAGTCAGGTGCTCCCTGCCACCTTCAAGAAGATACTCTGCAAGCCACGCTGGAGAACCTCAACATC
 TGGGTCCTCATGGGGCAATCAGCAGAGATAACCAAGGTCAATGGAGACAGCAGTCCTGGGAGCA
 GCGAGGCAAGGTGTATTGCTCTGAGGAGAACAGCAGGCTCTGGGGACAGATAACACCCAGG
 TGAGGAGGAAAGCAGGGTGGACATGCCATTAAGAGTGTGAGGGCTGTAGTACTAAGTTGAGGAC
 ATAGTTGGGGCCAGGGGTCTAGGAGGCTAAACAGCAGGTTGTTGGGTGGAGTTCAAGGTGACTGAGGTTAGT
 TCTAGCAGTACTGCTGTGCTGAGGTGAGGCTGCTCAAAACCCAGAGGGGGCTGTGCT
 GATGCTCTAACAGGAAACTGATAAAATTAAGAATGTTTGTGGGAGGTGAGTGGCTCAGCCTGT
 AATCCCTGACTTTGGGAGGTGCTGAGTGGATCCCCTGAGGTGAGGAGTTGAGGACCAACCTGGCCA
 TCATGATGAAACCCCTCTCTACTTAAACAAATTAGCTGGCATGGTGGCAGCCGCTGTAA
 CCCAGCTACTCAAGGAGCTGAGGAGGAGACTGTGCTGAAACCCGGAGGAGGTTGAGTGAACCGAG
 ATTGGGGCAACTGCACTTCAGCCAGGAGACAGAAGTAAAAAAGGGGGGGGGGGGGGGGGGGGGGGGG
 AAGGACAATGTTTACACATGATCAAATTAGACACTGCAAGACTATAAAATCTGACCCCTCTAATGTGA
 AAAGGGCTTCACTGAGCTATACTGTGATATTAGCTCTGATATTCACTCAAGGCAATTCAAGGAAACAA
 ATGAAAACGGCATCAGCATTGGCTTAAACAGGTTGAGGAAACATTCTCCTACTTTCACATAAATGAT
 CCAGGTGAGAAAATTCTTATAATTAAACCCAGAAATTTTTTACTCCAAAGAACAGTTAACAGAA
 TAGGAAAGTGTATTGTTGGCTATCAAGGAGCTGAGCCATGTTAATTCTCAACATCACGCTCATTT
 AACCCATAAAACCATATTATGCTCCCTCTCTTATAATCTCATCTCTTATTCTTATATTCTCTATT
 TTTAAGTACTCTAACATTTTAAAGGGCTGAAAAAGAATACACTTGTGGTAGACATGAAACAGTGGCCAC
 CCAGATCCCTCTCAAGAAGACTGTTGAGCCAAACTATTGGGAGAGGTGTCAGCAGGAAATCTCAGCT
 GTGAGCCCTCTGAGATCATTGCTGAGGTGAGGCTGATCTGGGAGGCTAGGCTTCCCGGAGGACATT
 AACACTCTTCTGGAGGAGTGTGGCAGACACAGAGATCTGGGAGTGTGGCTAGACTGCTCATGGCC

FIGURE 1 (continued)

CATCTAGTTAGTTTCCCTGTGCCACTCTGTTCTTCCAGTACCTCCAGAGGTGTTGATCCCAGG
 GCCACTCCCAATAACATACTGCACACTAACCTGTCAACAGACTCAGTCAACATCCAAAGAACCCAACTCTGA
 CAGCACCAAAATCAAAGAGACTCAGGAGCCTAGGCAGGACTGCTGAACCTGGAGGGCAGATTGCA
 TGACCCAAGAGATTGTCCTAGGCAGCCCTGGGGACAGAGGAAACTCTGTCTCAAAAAAA
 AAAAAGAGAGAAACATATCAGGTAGGGTATTTACAAAGAGAGGGATATAACAAAGTGTCA
 TACATACATGGGAAGCAAAACGCACTGACTCTGGGCCAGACTACCTGGGTTGAATCCCTGCTTTAG
 CTCTGTGCTCAGTTTCTATCGTAAAGGAAATGGGATAAAGAGCACTTATAGGGCTGTAATGAGGAAG
 AAATGAGACAATGTGATAAGGACCTTCCATAGTGTACTATATGTCACACACTGTTCAAGTGTCA
 TTAATAACAGCTGTGAGGCCAAACCCACAGGTCGGAGGGCAGTTGGCTGGGACTCTCCCAAGACTC
 TGCCATGGGCCAGCTAGCTGTAGCCGGGCTGCTGAAGCTCATGTTACAAAGAAATAGGGCTGA
 GCAGGGTAGCTAGGTGAGCTCACGGGTGTCGTGTGGTGTGGGTGTCCTCCCTCCAGACAGCG
 CAGCTGCACTTATGCCATTACACCCACGCAACCATATATATGTCAGCTGGGGAGCCACAGAC
 CACACCCCTGCATGCCCTGTTTCTGCACCTCTGGAGGGAGGGCACCTGTGGCCCTGGATG
 TGGCCAGAAGTCCAGGAGGAATGGTCTCTGGCTGATTAACAGGCTGCAACGGCTGAAACACTC
 AAGCTCTGTGAGGGAGGTTCTGAGCCCTAGGGTCAAGGCCAGAGGCAAAGTAAGCAAGGA
 AGCTTACCTCTGCTAGTTAGGAAGCTCCAAAATAGGAAACAGGATGTAAGGAGTCATCAGGCC
 ACAGGGTGGCCAGACTGACACAGTAAGCTCAATGAGGGCTGCAAGCCTTAAGAGGGTGTCTCTGACAA
 AACAGGATCAGACAGCCAGAGAGGGGCCATTACGCCCTGGCTGTGCTTCTGGTCTCATCACTCCCTG
 TCCCCCTCTGCTAGGAAAGACTCTAGCTTGTAAACCTTAATTCACAAACCTCTCCGGTCAGGGCC
 TTGTGATCATGCTGATCTCTGTTAGGAATGTAATTTCTCCACCCACCTTAAATAATCACTGCCA
 TCGGACTCACTCCCTTAAAGCTCTGTGAGGTCTGAAGAGATCTGCACCAATGTTTCTCTAGCC
 TCATCATATAATGCTTCTATGTAACAGAGTGTATTATTAATGTCATGTAACCTCCAGAGGCTGGCTGTG
 CTCTCTGTGCTCTCATGTTGCTAAGCTGCCAACACAGAGAAGAGCAGGGTCCACAGAACTTCAGCTA
 AGCCAGTTCAAGCCACACTCTGTGAGCACTCACGTTCTGCTGGATTCTGTGCCCCAGGGCTGG
 GCTAGGCTCCCTCACCCTGATTAACAGGATAGGCTTCACTGCCACTGACTACTGACCAAGGGAC
 TTACAGTAAAGGCAAGTGGATCTCTGTGAGGAGAATCTATGGAGTCAAGCTGGGACTCTGGGTTCTAGTCC
 CACCTAGTCACTGTGTTAGGCTTGGGCAAAATGAGAATCTCTGTGAAATCTCTGCTTCTCATGTA
 AATTGTCAGGCTTACCTCTGTGATTAGAATAATTAGGAGTCACTGGCTGACCAAGGGTGCACACCTTC
 ACCACAGGGTCTACGCTGACTCGCTCCGCCACGTTAAAGACCTGCACTAGGGTCTGAGCTCATCTCAGC
 TACCCACCGCTCTTACTACGCTCCAGAGGCTGGTAGACAAAGGTCATAGTGTCACTGTGAAATTCTGAG
 CTTCCTAGGGGAGCCTAGGAAATCACGTTAACACACAAGTTCTACAGCAAGAACAGAACAG
 AACAGCAGGCCAGCTACTACGCTGTGAGTGGATTGTCAGGACACGGCTTCAACAAACTCTAGTCT
 AGTCTACTATCTCACAATTCCAGGAAGCTGGCTCTCTCTGCACTGGGACTCTGGGCTGCAAGCT
 TTCTCACCTGAAATGCACTGTTGCTCTGCTGTGCTGGCAGGGCAGCCACTGCCCTGGCTCAACATG
 TCAGACAGGGCTCCACGCCGACCTGGTGTGCTCAATTTCGGGGCTGACAAAGGGTAGATGATTGCA
 GGGGTAGTTCTCAAGAATGGCTCAAGAACAGAGATGTAATTAATTCTCCATAACAGAACAGAAC
 TTGTTGCTGGAGAATGGAGGTGAAAGGACTACTTGTGAGAGATGAAACTGGTGTGAGATGGCAGGT
 AGAACCTCTGAGGGCAAGCAGGGAGTGGATTTCAGGGAAATTCAGGGAGGTTTACGGAGGGTTTACGGCTG
 GATGTAGGGGATCTGATTTAATTCTTAAAGATTAAAGCATGATAATTCAGGAAACAAACACT
 GATGATCCAGGCAAAACAAACAAAGGTGAGTAGTCTGGGTGACAGGAGATGGGGCTTCAGCTGTGG
 CTGAGTCAAGGGCTTGTGATGGATTGGAGGAGGCAAAAGGGAGGAGATCAAAGTTAGCTGCAAGGGTTT
 GACCTTCAACTAGAGAAAGTTAGCCGGCTCTGAGAAAGTGAAGACTGTGAAAGGAAATCTGTTGG
 GAGGGAGGGAGGTGTCTAAGGGGGGGGATGTGAAACATGAGTGGGATGCTGGGGCTGGAACGTAG
 GGGAGATGAGGGTTGGAGTCAGGGTGTGCTGTGTTGGGAAAGGCAAGGGGAAAGGGTAGGGCT
 TGGGATCTGGCTCAGACTGAGTCAAGGAGGAGGAGGAGCTTCTGAGATCAGGAGGGCAGGGCTACAGGAG
 GAGGGAGAACAGCAAGGGGGGAAACAAAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 CTGAGTCTGGAGGCCGAATCGGACTCGAGTCTGCTGTGCTGGGAGGAGGAGGAGGAGGAGGAGGAG
 GGGACAGACACAAAGGCCCTGGGAGCTGCAAGGACTGAGACCACTGGACAGCAGGGCCGGGAGGAG
 CTGTAAGGGGCTGTCAGCTGGGGGAACTCTCCTGGAAAGAGGGAGGAGGAGGAGGAGGAGGAG
 GGGGGGGGAGAACAGACAGCACTGGGAGCTGCGCTGCGCAAGCTGGCTGGGGGACAGCCCCGGCTGCGGG
 GGGGGGGGAGCTGCGGCTGTCAGTGGCCCGAACATCCGCAAGGAGGAGGAGGAGGAGGAGGAGGAG

FIGURE 1 (continued)

CGGGAGAGGGCGCGGAGGACCCGGCGCCGGGGTGTGAGGGGGCCGCTCTGGCTCCCTGTCCGGGA
 AGCCGCCCAAGTAAGTGTGGCCGGGATTCGGAGGACGGCCATCCCTCACGTCCTCG
 GTCGCTGCTAGGGGGTGTGCGGAGCGCGGGGCTGCGCTCTGCGGGACCGGGGATGGGGCCCG
 TCGGAGTACGCCACTAGCGCCGGCGCCCGGGCTCGCCGCTGGGGCTGGCGGGCTGCCGCTGCGA
 GGGCCGCTCTGGCCGGGGCTGTGTCGGGGCCCTGAGAAAGCTCTGCGGACTGAGGGCTGGGTG
 GTCGACCGGAAAGGGCGGGCTCCCGCCATCGGCCCTCGCTCCCGCTGCGGCCCTGTCTGGGG
 TCGCGGGCGAGGGCGGGCGGGCGACGGGGGGCTCTCCCGCCCTGAGGGGGGGCTGTCTGGGG
 CGGGCCGAAGGGGGCTGGGGCTAGGGCAGGCCCGCCCGCCCTGAGGGGGGGCTGTCTGGGG
 CTGAGGGAGGCCGGGGCTCCGCTCGCCCTCGGCCATCGCCCTAGGCCCTAGCCCCAACCTCAGCCGCCG
 TCGCTTGTGCGGGGGCTCGCCCTCGCCCTCGGCCCTGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 CGTCCCTTGTGCCAACGGCTCGGG
 CCTCGAGGTTGGGACCGCTCATGATTGTTCTACTCAAAGAAGTCAGCGAACCGAGGGGAAGACCTTC
 CAGGTCAAGCTGGAGAGGGCCAGATCAGTGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GCGCCCACTTCTGCTGGGCCGCCCGCGGG
 GCGCCGCCCAAGGG
 CGTCTCGGGGTGGTCACTGG
 CCAGCTGGGGGGAGTGTTCAGGGCTTGTGCGCTGAGGCTAAAGATCTCGGGGGCTGGAGACCTCGGG
 TCGAGGCACTGGGGCCCCCAAGCTGGGGAGTGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 CCACCTGCACTGGGGACCTGGGGCTGACAGGGCTCCGGGCCACTTATTATCAGAAAGAGCAGTCT
 GTGAAACTCTGGGGCCCCCAAGGGCTGGGCTTATTGCAAGGAATCTTTGGGTTCTCTAACTAGAAACT
 TAGGAGATGTGGGGTAGGGCTGGCTTGGAGCACGACTGGGCCACTCTCCTCTGGGGAGAGGG
 AGGAAGGGTGGCTTGGGGTAGGAGAACCTGAGAGAACCTGAGGGGGGGGGGGGGGGGGGGGGGGGG
 TCTGCTCTTTTGTCCAAAGCTGGGTTTTGGAGGGCTATGTGGGTGGGGAGAACACTCAATGGCAGGG
 GGGACTCCCCCTGGGGCTGGGGAGCAGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GAGTCAGGTATTCTCTCAGGGTGCAGCTGGTGTAGCTTGTAGCTTGTAGCTTGTCTGGGGGGGG
 CAGGGAGGGGGAGGGCTCTCTGTAGTTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GGGCTGGTCTCTAGGGAGGG
 CTTAGCGGTGCTGTGCTGGGGTAGGGGACTCTGCTCTGGCTCATTCCCCCCTCTAGGT
 GAAGAGATGGTGTCTGCAACTTAGCTAGGGTGTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GAGACCCAGGGCTCAGAACAGGGCTGTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 CACAAACCTTCTGGGTATGGTGTGATGTGTAGATACTGGAGGAGTTGGGGAGGAGGGTCTG
 TGGTAGGGAGCAGCAACCTCTCAGCTACGGCTCTGTGAGGGGGGGGGGGGGGGGGGGGGGGGGGG
 TAGAAATGGCAGCCCCCTCTCAGTGGCCCCACTAGCTGGCTGAGGGGGGGGGGGGGGGGGGGGGGG
 TTGAGGG
 TCACCTCAGGGCATGGCTCAGGGCATGGCTCTCTCTCTCTCTATGCTGTGGTGGTGGGGGGGGGG
 GGGCTGGAGGTCTCAGGATCTGGGGTAAAGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 ATGTAAGCAGTGTGTGAGGCAACTCTGG
 TACTTACCTTCTGTGAGGGCTGTGATTTCTCTGTGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 TTGCTCCAGGATCAAATGAGACAATTATATAAAACATCTAGGATTGCTGACACATAATTGTTAATAA
 ATAATGAGCTGTATTAGCAATAACATTAAACATAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GGTGG
 CACATTCACTTAGATTGCTACTCGAAGAAAAGGGCAGGAAACAGTTGTTGCTGGGGGGGGGGGGGG
 ACTCACCCACCCACCATGTAGAACAGTGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 TGG
 AGCAGGG
 AGAGCTGG
 TGAAAAGTCTGGCTGAGGTGTGTTGCTAGACTAACTATGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 TTCTACCCATTCTGGGGCTCTCTCTGG
 CAGGG
 CGAGGGTACCAAGCAGTGCTGAAGGG

FIGURE 1 (continued)

FIGURE 1 (continued)

FIGURE 1 (continued)

ATGGTGAATCCCTACTAAAAATACAAAAATTAAACCGGGCTGGTGTCAAGGGCCTGTAAACCG
 CTACTCAGGAAGCTGAGGCAGGATAATTGCTGAAACCCGGAGGCAGAGGTTCACTGAGGCCAAGATCG
 GCCATTGCACTCAGCCTGGGTGACAGACAAAGACTCTGCTCTTAAAGGGAAATTAAAGCTG
 GGCTTCTGGGGCCTGGAGCAGTGAATGAGATCCCTGCACTGGAGATGAGATCAGAGTCTAGATCT
 CACTGGGGCCTGTTTCCAGGAACAAAAGGGAAACAGGAGAGTGGCTTGGGCTGGCACTGGGG
 AAAGGGAGTCAGCAGATGCTGTGGCGGCTGGTCAAGTAGCTAAACAGGAGGCCATAGTGGGTT
 TGTGAGACAGGATGCTCAGCAACAGGGCTCTGACTGAGCAGCTTGGGTCATTATGAGAAGCTC
 CAGCCCCACAGATTACTGTGGAGGCTTAAGGACTAAACAAACATTACTGTCAAGAGGTGCACT
 AACACAGAAACCAAAAGGCAAGGACCAAGGTTGGGTGAGATGTCATGGGTTCAAGGGAGTGGCAG
 AGGGGAAGGGCTTCTTCTCCCTTCCCACACTGTCTCCACTCTAGGCCCTGTGCTCAAGCCTTCC
 CCACCACTATGACTCTAGGCCCCCTGTGTTCTTGTAGGAGGGAGACCCAGATTATTCTTCTC
 CCAACCCATTCCATTCCCTCTCCCTGTGAGGGGCTCTGAGAGGAGCAAGGGCAGCACGGAGAGACTTGG
 GATATGCTGGGTGTTGAGGGGCTCATTATCTAGTGTAGCAGGAAACAGGTATATAGCAGTGATG
 CTTTCATAGTTTTCTGAAATAGGTCCTTAAACCTTATTAAAGGTTCTGGTGGACATGGCATTG
 AGATGGCAGACATGTCAGCTCTCAAGGAGTTTAAGCTGTAGTGGAGAAAACATCAGACGCCATTAA
 AATACATGATGGCTACTATAAATAAACTGTGAAGGAGGTGCAACAGCAACCTGGAGTCTCTCCA
 TCCCTCCCTCTGTGCTGCTGGCCCTGCTGGGCACTTCCAACAGGATTCTGAGGCAATTACAGGAC
 ACGTCTAGGGTACAGGCTCTGGCTTGAAGTATGGTGGCTTGCACACTCACCACCTGCCACCTTGT
 GTAAAGTTAAACCTCTTGTCTCAATTCTCCTACCGGAAATTGGGACCCATAATTCTTCTCATA
 GTGTTATTGCAAGTATAAAATAAGGAGTTTATCTGTTGAAGGAGTTTATCTAAGAGCTTATG
 CAAGTCTATGCAAGATAAATATGCAAGAAAATAGTGTGATGGATGCAAGATGCTGTGCTCATGTC
 TCTTCCACCCAGCAGAGGTTGACTAACTTCTACCTTCTCCTACTTCTGCTTCTTATAGTATTGCTGTG
 GACTCTAACGTAAGCTATCTAGCATATAACTCATATAATTCTTCTCCACATTCAAGCTCTTGTAGG
 TACTGTATTCCAAGTATCTAGTTAATGCTCTCTAGTGTAGGCTGTCAGAACGTTGTTAATTGAA
 AATAAAGGCACTGGGACTCTCAAGGGCTGTGATTGGGCTCTGGTAGAGAAGAAAAGGAGATGCAAGGATC
 ATTCTGAAGTTGGAGTTGGGTCTGGTGAATGGTGTGCTGTGACTGACCCAGGGGTATGCCAA
 GAGGGCTTGGTCTGGTAGAGAGAGAGACAGTGTGTTGGTTGGAGGTTGTCTTGAAGCTTGTG
 GATGAAGAGTGGGGTAGCAAGTAGGGAGCTGAATTGAAGGATCTGAAGCTTAAAGGGAGGACTAGGC
 TAGAGCCTGTGGTGAATATTCTGACATAGGGAATTAAAGGGTGTGGGCATGCTGCACTGATGTA
 GGAAAGGAGCAGAGCAGGGACCTGGCTGACCTTGAACAGGCTTGAACAGGCCATTGCTAAATGCAAG
 TAGGCTGTAGGCACAAAAGAACGATGAAAACCAGGCAAGGTGTGCAAGGAAATCAAGGGAGGACTT
 CAAGGAGAGGGGCTGATCACACCTGTGTTGAGTGTGCTGGAGGTGCAAGGAGGCCATAGATAATG
 ATTATGGGTAGGGCAGCTGGTGTGATCCCTGCTTGAATCCACAGCTTGTGGAGGCCAAGACTGGGAGTCA
 TTTGAGGCCAGGAGTCAAGAACAGCTGGGCAATGGCAAAACACATCTGCAAAAATATACTA
 GCTCTGGGCTCTGGCTGTAGTCCAGCTGACTGAAAGGCCAAGGTGGGAGGATCACCCTGACCTG
 GGGAGGTAGAGGCTACAGTGGACCTCTGGTGGCCTGACTCAGCTGGGACACAGGTGACTTATG
 GGCACAGGCTGGTGTGCTCACCTGTAACTCCAGCACTTGGGAGGCCAAGTGTAGGAGATCTTGTAGG
 CCAGGAGTTGAGACAAGGCTGGGCAACATGTGAGACCCCCTACTCTATAAAATATAAAAGGTT
 AAAGTGTACTTACCCATTGCTCTGGTCTCAAGTGTGCTGTGAGCTTGTAGTGTACTATGTGGGGGAGCTTATG
 AGGAGCTTTGAGGTCTGGGCATCCCCTGAGACATGGCCCTGGTGGCTCCAGTCTCTCTGTAGCT
 AGGAGCCTGGCATACACAGGCACTTAGAGAACACTTGTAGGAGGCTGACCTGGCTGCTGGAGAATCTTCTGG
 GGAGGACACTGACTCTGACACAGGAGCTGACCTGGCTGCTGGAGAATCTTCTGGGCTGTGCA
 AAAGTTGGGAAAGGCCACCTTTCCTACTGTGGCAGTCAAGGCTTGGTATAGGCCATCTCCCTCCTT
 TCATCTCATGATACTCTGAATGCCCTGTGTTGGAAACTTGTGACTCTGCACTCTGTCTGG
 TGAAACCCCTCTGCCAATGTGTGCTGTGAGCCCTCAGACCTGGCTTAAACAGAGACTCCAAGACATT
 GCTCTACACACACTGAGCTCCAGACACCTCCCTGTGTTCTACTCTGTGCTGAGCTGACTAGTTATCT
 GCTTCCCTCATCTGTTCTCTCATCAGGGAGGTTTCTCAAGGCAAGGACTCAAAATGCTTATGTATC
 TCTGTTCTCTAGGACCCAGGCCAGGGCTGTGACATGGAGTATAGTGTGAGCTGCTCTCCAGCTTAAATTCTCTGG
 TGAGTGAATGATGACTGACTGAGACCAATAGTACTGCTGAGTGTCTTCACTCTGTGAAATAGGAGATTAATTAGA
 GTGAGACCTCTTCTCTCTCTGGTGTGACTCTGAGCTTCTCTGTGAGGTTTAAATTCTCTGG
 GTCTCTAGGGAGGGCTGCTGGCTGGTACAAGGGCTGGCTGTGCTGCTGCTGCTGCTGCTG

FIGURE 1 (continued)

TACCCAGTGTCAAGGATAGCAGCTGCTGGGGACACTGCAGAGTGTCCAGTCTGCCATGACTCACCA
 TATGACCATGACAAGACCCCTTGGACCCCTCTGTTTCTCATGTTCAAAGAGATTTGCTGAATCTAG
 ACCAAGCTTGCCTCAACTCGCTGCCGGGCTGGTTGAAGGAGCTGCTGCACAGTAATGGGAGGC
 AGTAAGCCCCACCATGCCCTTCCCTTGCATATAACCCCTGACCTCAGAACTCCCTGAACCCAGATCC
 TTGTTTGTAAGAAGGGATAGTACCCACCCCTTGCATTTGGCTGAGCCAGGAGGAGGAATATTAGTCTA
 GGAAGAGGGAGGAATGAGGGAGGGAGGAGAATCTCACCCCTTGCACAGCCTTGGCATATGCAGCCAG
 CTTGGAAATGCTGACCATCTGTGACCTGGTACTATTGTCATAGCCTTCCCTTCCAGCTGTGCTCAGG
 CCTATCTTGTCTCTTGGTACCTCCATCTTCTTGCAGACCTGCAAACCTTGCCTAAAGCC
 TATGGTCTGTATGGGTGAGGCCCCCTGCTGCTCTGCTGAGGGGGATCTGAGTGCAGTGC
 TGGCTGACCCACAGGGATTTGTAAGGAACTTGGGTGACTGAGGTGAGGGCCCAAGACTGG
 CCAGATGATACTACTCTGTGCAACTTTCTTGTGATCATCTTCAGCATCCTCTGTGAGAAGCTT
 AGCTCATTAATGCTCTTGGCTCTGTATTTCTTGGTATGGGAGTGGGAAGTGGAGGG
 ACTCATCTGTGTCACAGACTATGGTGAAGGGTATGTTGGTGAAGGGTCAATTGGAGATCTACACA
 CCTCTTCTGGACCCCTGGACCACTCTCTGAATCTCTCATGCTTGGCTTGGCCAGCAGGCGTG
 GGTGCTCGGATCTCTGCTGCTTACTGTTTCCCAGCTGTGTTACAGCTGATTTGCCCCAGGGTCACTGGC
 TATAGGAATTTATGTAAGGACTTCCAGTGTGTTACAGCTGATTTGCCCCAGGGTCACTTCCC
 CCAACTATGCTGCTGCTGTTCTGTGCTGTTACCTACTGACCACTGCACTTGTGATTTG
 TTGAGGCCCCCTGCTGCCCCACTGTGCCACCTCTTCCAGGAAGGCCATCTTGGACCATCTTC
 TGGTACCATTTGGACATCTGGCTTGTGCTGTTAGATAATTAGCTCTGAAATCTA
 CTCTCATGTTTACTCTGCTTAAAGTACTCTGAACTATTGGGCCCTCCAGGCCCTGGGTTGACT
 GGTAGGGATGGAGAAGACTAATACTGGTTTCTCTGGTGGAGGAGCTCATGGCCAGTGGCTAAGA
 CACAGGGAAAGCACCGAGGTGACAAGTGGTGAACACAAAGAGGAGGGGCCACTGTGCCCC
 TGGCTGGGCTGGGGGCTTAAAGTGAGGAGGTAGAGTGCTTGCAAAGGCTGAGGAGGAAGGA
 GTATGGGGAGACATGGCTGGTGTGTTGTTAATTGGACTTGGACCTTGGAGGAGGGCTGGC
 TTCTCCCTGCCCTCTGGCTGCTGACATGGGGCACACAGGCCCTGGGGTTGAGGGCTGGGCTCC
 GGCACAGGTGGGGTAGAAAAACCCCCAGAAGGAAAGGACTCTGCCAGGAATCTTGCCTACCTCT
 TTCAAGCTTTAGTTTAAAGAGACCTTTCTATTTACTATGAGTGTGAGTTTAAAGTCAAAA
 TTCTTACTCTCATGATTTAAAGTGTATTCTTACTGATCTGCTTACCATTTACATCAATTAGCTTACACCTT
 GGGTTTGTGTTTTGTTGTTGAAAGGAAGTCTGCTGTTGTTGGCCAGGTGGAGTACAGTA
 CTGTGATCATAGCTCATAGACTCTTCACTCTGCACTGGCTTAAACCCCTGGGCTCAAGGTGATCTTCC
 CACGGCTTCAAGTAGCTGGGACTACAGGCTGTCACCATGTGCTAGCTAAGTTTTAAATT
 TTTTGAGGTTGGGCTTCTCCATGTTGACCTGGGACTACAGGCTGACCTGGGCTTCAAGGTGATCTTCC
 TGCTCAGGCCCTCTAAGTGAGCTGACTCATTTATAAAGGGAAACCCCTCTGAAAGGAAATATTCA
 GACAGGGCATGGTGTCTCATGCTCTTAATCCACGACTTGGGAGGGCGAGGCAATACTGGAGG
 TCAGGAGTTGAGGACAGCTGGCAACAGGGCTCTACTA AAAAATACAAAATACAGCTGG
 GCATGGTGTGTCATGTAATCCACGACTTGGGAGACTGGAGTATGAGAATCTGACCCGG
 GGCAGAGGTTGAGTGAACCGAGATTGACCACTGCACTCCAGCTGGCAACAGAGGAGAACCCAGA
 CCCAGAGAAATTTCTGAGTGAAGCTGTTGATGTGAAATTGGGACTTTTGTTATGGTT
 TTGGCATATCTCATCATTTGGGTTTGTGTTCAATATGCTCTCTGATTAATCA
 CTTCTGATCTCTTACCTCATGGCATCTCACTGAGTGTGCTTAACTGAGGAGGTGCTGAGTGT
 ATTTGAGGAGAAGAAATGGGCTCAGGCTGAGGAGATGGTCAACTCTGCCGGGCAACAGGA
 ATATTGCTGCTGAGGGTTTACCCCTTGTGCTGAGGGTTAACAGGCTTATAAATTGGGGACT
 CTGCTGTTGGGCTTGGGAGTTGGGAGTGGCTTGGGAGACAGGGGACTAGGACACAGGTTCAACAGA
 AACTAGTCTAATTAGGTCTGGGATTTGAGTGTGTTGAGTGTGAGGCTTGGGCTTCCCT
 TGCTGCCCCCTAGGGCAGGATTGCTGCTCTCACTGGCTGTGCTCTGAGGAGGCCCTGCTT
 CTCTTCTCTCCCTAGGGTCTCTGCTGCTCTGAACTCTGCCGGGCAACAGGA
 ATATTGCTGCTGAGGGTTTACCCCTTACTGAGCAGGAAGAGAGACTGGCTT
 TGACTTGGGCTGATGTCCTGGGGAGTGGTGGGAGCAAGAGTCAAAAGACAGGAGCAGCCCTACC
 TTCAAGAAGGCCGACACAGATGGCTTGTGTTTGTGCTTCCCTTCCAGGTTCCAGGACT
 GGCTGCCCTCATATAGCTTGTCTCTGCAGCACCCCTCTCCCACTGAGTGGATGGGGCTGTC

FIGURE 1 (continued)

CAGGGTGGGGCTTACTCTCTCGAGGGCAGGTTCTCAGCTGGCCCTGAGGGTTGTATAGCTTCACAGC
 TCCAGAGTCTGGCATAGGGTGGCTCAGATGAGGAAACAGGCTCTCTTAAAGGGAAAGCAACTG
 CCATTAATGGCATGTCAAAAGGGGATGCTGTCAGGACTCATGCCAGAACGCTCCCTGACTAA
 CTGCTGGTCTCTAATCTCTGTGGTCTCAGGGCAGGACTCTGTCCTGGGCTCATATAAACCTTTATTTAC
 GGGAAAGAGATGAGAAAAGGACATTTGCTCTTCCAGTCTGGCTCCAGTGCAGAAAGGGAGGGAGAAGA
 AAATTCAGTTGCGCATTTGCTTAATGCTTAGAGCTGGGCCAGTGCAGGCCAGAGGCAATT
 CCTCTGCCCCAAAACAAAACACATGAGATCTGGGTTGGGGCTTAAGGGCAGGCCAAAGCTGACC
 GTCTCATGTTGATACTGTGAGGTAGTGTGCTACATGTAAGGGTCTGTTGCGCTCATCTCCACGAA
 GCTCTCATCTTACGATGAAACAGAGGACTGCAGCTGGCAGACTATGGTGAAGTGTGCTGGGCACTGCAG
 ATTGTAACCTGATCTTGGGATGCAGCTGGCTCATCTTCAAGACTGTGTTGAGTGTGCTGGGCACTGCAG
 GCTCAGGAAGCAGCAGCTGTCATGCTTACACAAGTGTGAAGGTCCCCCTCTCCCTA
 CAACTGCCCCCATCTCTGGCAGGCTTCTTTGAGCTGGGAAACTAGCTGCTTGTATCTTCTCTCATGG
 ATCATCTTATTCACCAAGATTGTTGGGTTGACCTAGTGGCAGCTTGGGCTTATTTGTCTCC
 ACTACTGCCACTTTGAGCTCATCTCAATGGCACTAGGCCACACAGGTAGACAGGTTGGGCTGCTCC
 AGACTCTCTATTACCAAGCACTTCCAGCATGGCCCTCACAGCAACCATGTAAGGGAAATTCCA
 GTTCTCTGATGGGAAACTGGCAAAAGGATGAGGACTGCCAACGGCTCATGCTAGCTAGAATTAAAG
 CTGTTGTTGTTCTCTCAACTAGCTGGGAGGGATGCTCAGGGAAACCTCTTGAAGAGCAGGAGAAGG
 CAGATCTCATCAGGGCAGGGAGCAGACAGGGCCCAAGGATTCTGCTGGGCTGGGCAACAGGAAGCCTGG
 TATGAGAAGGTTCTAGCTCAGAGCTGACATGCTATAGCTGACAGGACACAGGTGTGTTGCT
 CATTACTCGAGCCCCATTAAAGAACGACTGAATCTATTCTCTCATCAGAGTTGTGAGGCAATTATA
 AGGGACTAAATCCCCCTACTGCCCAAGCACGCTATCTGTAAGTGTCTACCATAGGCCACATTGGAA
 GGTAAATGCCAGGGCATTCCTGAAGGCCAGGAGCAGCATCTGTGGCTTGGGACATGGCATTCT
 GAAGGCTGGCAGGCCATCACCTGGGACTGGGACTGGTGTGGCAGAATGAATATCTGCAAGGCCCTG
 ATGGCTGTGCTGGCTTGGGCTTGGCTCTTGGGCTCAAGGGCAGGCCATAGGGCTTGTGCT
 GCTATACATCAGGGCTGGCTGCTACTTGTGGATCTCTGCTGGCTTGTCTCAAAAGGTCTCTCT
 ACTGCCCATCTCTTCACTAGTGACGCCCTTCTGCTACCTGGCTTCTTCCCAGAGTCTCT
 AATGGTGTGCTCTCATGGTCTGAGTTGGGAGGAGTGTGAGTGTCTGGATTTTGGATAACGTTG
 CTTCTACTCTCTTCAACTAGTCTCTCCCTCTCAAGCTCTAACGTTCTGGAAAGCTCTTCTGCC
 CTCTGACTAAATGGCAGAGGGTCTGACCCAGACTGTGCCAGACTGTGATCATTGCTCTGCACTGCC
 CCAGGGCAGGGCATCTCTCTCTGGGGACTCTCTGTGAAATTCTGGGAGGACTCTGCTCTCTCA
 AGAAAGGAGATGCTGCCATTATGTTCTGGGAGGAGGAAAGTGAAGGGTGGAGGAGGAGTGCACAG
 GATGTTGCTTCAAAACCTAGTGGACATCTACTGTGCTGCCAGGGCTGGCTCTTCA
 AAGACAGTCAAGGATCAGGTGTGCCAACAGGAATTTGGGAGCATGGATGCTGGCTGGAGCTGCG
 CTATGCTTACTGGTGTGACTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 GAGTGTGAGGCTGTGACTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 CTTCTGACT
 AAAAGGAGAGTGTGTTGTTGCTGCACTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT
 TGTCATTTGGAAAGCCCTGTTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT
 GAGTATAACTGTTCATTTGTCCTCATCTCTCTCTCTCTCTCTCTCTCTCTCTCT
 TTCTCATCTCTCATTAAGCAAGGCCCTGGAGGGCCCTGCTGGCTTAGGTATGTGAGCATGATG
 TACTGTTTGTATGCAAGGGCATCAAGTGTATTAGTACCAAGGAGGAGCTCTCAGTTGGGCCCTTG
 GTGGAAAGAGAAGGGAGGCCGGGGAGGTGGACATTTCCAGACTGAGTAAAGTAATAGGATGGGAAAG
 CAACAGTATTCTGCCCTAGGTGGCTTAGTGTGAGTGGAGCAGAGGAGGGTGAAGGGCAAAGCTGG
 GGAGGTTCTGGGCTTCTGGGCTTCTGGGCTTCTGGGCTTCTGGGCTTCTGGGCTTCT
 TTAGACTGGCAGTGGGAGGCCCTGGGAGGGCTGGCTTCTGGGCTTCTGGGCTTCT
 AAGAGCCAGAAGACTGGGAGGGATGGCTGAGGGTGGAGAACAGGGAGCAGGGAAAACAGCAGAAAAGG
 CAGGACTCTCAGCTGGAGGACAGGCTGGAGGGGTTGCTGAGGGGAGCAGGTGGTTCCAGGTAGAACAGA
 AATGTGTGGGGAGCTAGGGTTAGGGCTGGCAGAAAGCAATGCCACTGTCTCAGGTGGGATAGATGTGGAGTT
 TTGTCAGTGTGCTAGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
 GGAGG
 GCACCTGCTGCCAGGATTTACCAAGGCCAGTCTGGGTTAGAGGATTTAAGAGGCTCAGGCTGGGAG

FIGURE 1 (continued)

TACTCAAAGAAAGTCATAGCTTGTGGTAAGCCAAGCTTTTCTCTTGACCTAATCTACCTTAAATCGG
 TGATTTCCTGGGTGGAATGTCCTGCCCTCCAGGCAGGCCAGGGCAGCCCCCTCCCTGTGCTGGAGAGTCAG
 AGCTCTGACCTTCTGAGGGAGCAGAGGAGTCATGGATGGGCCCTCCATGTCACATATAG
 GCTGGGTGTTCTACGACTTTGATCTACCAACATCTTCTGATGCTATGTTACTCTTA
 TGTACTCTCTTCAGGTGAGCTGAGGTGAGCTGAGGTGAGCTGAGGATGCTGATGTTTCTACCTAAT
 GTGAGGTAGAGCTAGGATTGTTAGTCAGCCAGTCACCCAGCTGTCATGTTTCTACCCACCT
 GCTTCTAGAGAACTAGTCAGGACCTTCTGTTACACATGTAACCTGAGACTCTGAGAAGTAAAT
 AAATTATTCTCATCTGCTCAAGTTAGTCGCTGGAGGCAAGTCATGCTCATTCAGGCCGTTACCT
 CTCGACTATGCTTGTGAAGGCCACGGGAGCATGCAAGGCCCTGGATAGCTAAGATAAGGAATGTC
 CCAGGCAAAATGCTGGTCTGGTCAGGAGTGGTCTGGCTCTTGGCACGGCAGCTGGCTTGGAGGAT
 GGGGTGGGATTAGGCCCTCTGCTGAGACTGTTGTTGGGATGCTGTTAGCAGTTAGGCCATTGAGGATG
 CACAGTCCTCTGGCCAGGCCACTTCTCCAGGGATCTGAGGCCATCTGACCTACCCACCC
 GCTCTGGGACTTATGTTAGTGTGTTACCTGTGAGCTGAGGAGTGGCTCTCATGAGCAGCTTGG
 GTCCCTATTCTCTTCTGGAGGACTGCTTCTTCAGTCAGGTTAAAGTCTCTGAGGCCAACAGATA
 GGAAGGGACACCCCCACAGAACCCATTCCTCCCATATAGCCCTCTGACATCTCAGCCCTTACTAGCA
 AAGGCTATCCTCTAGCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCTTACCT
 GGGGTTCTCCCTGAGAGAGGTAAAGATGAGGAAACAGGGCTGCCCTCTTCCGGTTAGCTGG
 GAGACCCCGACTGATCTTGGCTCTTGTACCTTCTAGTTGATGCTACAGGAGGCCACTTCCGGCG
 CCAGGGAAAGACTCACGGGACTTGTGATGCTACAGGAGGCCACTTCCGGCGGAGGACTCACATT
 GCTTGTGATTCTCTGGAGGATGGATTCTGGCTGAAACCTGAGCTGAGGCCAGGGGTTAGGGGG
 TAGAGGGGTAGAGGGTAGTTAGGGGAATGCTGGCTCTGGCTCTGGCAGTGGAGGTTAGTGTGCTCGG
 GCAGCTATTGATACCTTGTGATCACAGGCCACATCTGAGGATGAGGTGACATGTTGATCAAGGGCTTAACCT
 GGCTGATGGAGGATACATTGAGGCCACACCCCTGAGATTGAGGGTAAGAACCCACTCTGGAAAGGG
 GTTAAAGGGCTGGGAGCATTAGGGCAGGGGGAGCAGGACAGCACAGCTTGTGCTGGAGAACATCTCCA
 GGCTGACTGTAGATGGAGAACGGCTCCACCTCAGGCTCTCTCTCAGGTGGCTGGAGAACACTT
 TACTCAGTGGATCGGAATCGTGAGGATCGTAAGTACTGAGCTGTGGCTGTGAGGCCAGGGTGGGAT
 GGGCATCGAACAGCTTACGGCAGGCCCTAAGTAGCTGCCAGGAGAGGCCAGGGGACTTAAAG
 TGGGGCCAGGGTGGCTGGAGAACAGGTTCTGCCACAGTGTAGCTTCTGCAAAAGTCTCTGGCTCTTG
 GTGAGCTGGTGTGAGAGGAGCCAGGCCACATCTGAGGTTGAGGTTGAGCTGGCTGTGAGCTGGTGTG
 GAACTGGCTTGGGTGTCCTGGAGGTTGAGGTTGAGGTTGAGGTTGAGGTTGAGGTTGAGGTTGAGG
 CTGAGACCTGGTATGCCAGGGCAAGGGGGCAAGAGAAAGGGGGCAAGAACAGGAGATGTGGTGTG
 TGCAACCTGGTGTGGCTCTTGTGAGGAAAGATGGGACCATCTGGAGGGTTCTGAGGAGGAGGACTGA
 TGTGACCTGGTGTGGCTCTTGTGAGGAAAGATGGGACCATCTGGAGGGTTCTGAGGAGGAGGACTGA
 ACACCTCAGGTGAAAATGAGAGGGCTTGGATCATGTTGAGGAAATGTCAGGTTAGGCTGGCTGGATTTGCCA
 TGTGTTGTTGAGGAAATGCGCCAGGGAAAGAAGATGCTTAAACAGGTTAGGTTGGGTGAGGAGGACTTG
 AGGATAAATGATGCTTGTGGCTGAGGAAACAGGATCAGGTTGAGGTTAGGTTAGGACATACAGGAGGACTTG
 ATGGGACTAGCCATTGGGGGAAGCTGGGGTCTGAGGAGGAGCTGGGGTCTGAGGAGGACTTGAGGTTG
 GCTGAGCTGGGAGAGATGTTGAGTGGCAGGGTGTAGAGTTAGGTTAGGACATACAGGAGGACTTG
 CAGATTTAACTGGGGTATGAGATAACACTGAAAGGCCACAGGGCTGGTGGAGATCAGCTGGGGCA
 AGCAGACCAAGGAAAGGGCAGGGTCAGTGGCTGATCCAGACCCACCCATATTAGAGATTGGAGGGGT
 CAGGGACAACTAGTGGCTGAAGGAGAACCCCCAGAGTGTGAGTTCTGGCAGGCCAGGGAAAGAGACA
 GTGTTGAAATCTGACCGTTGACCTTGGATTAAACATGTTGAGGAGAGGGGTTGACCCCTAGGGTGG
 GGTCAAGGGAAATGAGGGAGGAGCAAGATGACTCTGCAAGGGAGTTTGTGATGAGGGAGCAAGGGAA
 GGGCAGTAGGGAGAGATGAGGAGGAGCAAGGAGCTGGTGGAGGAGGAGCAAGGGGCTTGTG
 ATGCTGATGGGAGAGGAGGACCAAGAGGGCAAGATCGGGTGTGCAAGGAGCTGGCAACCCAGGGCTCTG
 TTCTCAGCTGGAAAACAGGACCCAGGGCAAGTCTGGTGTGACCTACCTCTGGGTGACTGAGGATCAGGGGG
 CCTATATAGAGGCCCTCCCTCCAGTCAGTCAGCTGACCTCTGGCTGACTGAGGATCAGGGGG
 TTTGGTGTGCTCTCCAGGCTCTGGGGCCAGAGGGAGGTTGCTCCACCCCTCCCTCCCTGACA
 CCACCTTCTGGAGGAGAAAGACCCCCCCCCCTCTCCCTGCTCCACCTCTGGGGCCAGGGCTGAGCTG
 CCCAGGCTCACATCTGGGAGGACACCCCTGGGAGGAGCAAGGGGGCTTGTGTTCTCAGTTCTCTGG
 AGCAGGCCCTGCTAGCCCCAGGGTGGCCAGTGGCTGAGCTGACCT

FIGURE 1 (continued)

FIGURE 1 (continued)

FIGURE 1 (continued)

AGGGGACTACGGAGGGAAAGAAGCAGCTGTGGTCCCCATCAAACACTGTGAAGAGAATGGTCAACCCCGTG
 GCCCTGGAGCGGGAGGGAGGTAAGACCAACCCACTGAGTAACAGCATTCCCTATCCCGAGATCTC
 CTTGGCATGGCCATCATCACAGCTGGCAGCAGCTGGCATGCACAGACACCTGTACATGGCTGTG
 CGCACAGCCCAGTGGCCATGAGCTAGTCTCCCATACCTGTGCTACATGGCAGTCAGGATACAC
 CCACAAGATGTATTGTCCTCATGCACACGGATATCCCCTCACACATATGCACTAGGATCTGACCAT
 TUGTGGGCTTTGCTTCCCACGACTTGGACGAGAACGCCCTAGGGACTTCTGGCCACTGTTCTAGGGTCA
 GATGTGCGGCTTGTCAAGATTGTGAGCTTCCATCTGTTCTTGTGCACTGTTCTAGGGTCA
 CTTCTTGTATCTTCTCTGCTCTAGGGAGGAAGCTGATGCTGTGACACCCCAAAGTCTGCCCTACTCC
 AAGCTCTCCCATGCTGGACATCCCCCTGGCATGGCTCCTTTGTCACTGTCACTGTTGACCC
 TGCATTTACCTATGCCAGGACTGGGAACCCGTCAAACTCAGCAGAAACAAGTTGATGCTGTGGTT
 GGCTGACATGGCCAGGCTATAGGTTGTACACGGGATGTGACAGGGCTTGGAGATGGGGTGGAGAG
 GGAGACAGCCCTGAGGAAGAACGATGAGCTGGACACTGGTCAACCCACACAGCAG
 TGAAGTGTGAGTTGAGCGTCATCTGTCAAATGGCCAGCAGTGGCTTCCCTCATGGGGT
 GTGGGAAGGGAAATGGGATGAGATGAGAACTTGTGAGCTGGCAGTGCCTGGGTGAGTGGGGTGGAG
 GGGGTGAGATGCTTATCCCGACTGTTATCTGCTCTGCCCTCAGGCAATCCCTGAGGGCAAGAAC
 AACCGCTCTCGCTCTCCATCAGCATGGCGTGGTGGCCACTGGTCCCTGGATTTGCTGCCACT
 CACAGGAGGAGTCAGGACTGGGTTGGGAAAGGATCGTGGAGCTGGCCAGACAGCAGCCAGGGTGGAG
 ATTCTGCGAACTTCTGGGGCAGTGTGGGGCCCTGAGCAGCTGGCTCAGGCTCCAGCTCCAGCAC
 AGGGCCCTCAGAGCAGTGGGCAAGGGTGTGCTGATAGATGGGACACAGGGCTTCCCTGAGTCTGG
 GATTGAGAAGAACACACATAGATGCAATGTGTTGAGTGTGTTAGTTGAGTTGAGATGATCTGAG
 GGGTCTGAAGTGGGCTGCTTGTGGCAATTGGATACACAAAGCAGAGGTAAGAGGAAGTCTG
 GCGCTGAAGCAGGGAGTGGAGTGGGCTGGAGGATCAAGGGATGAGTGGTGTGCGCATAGGAAGAAC
 TTGGGATGATTGAGAACGCTTGTGAGCTGGGATGGGCTATGAGAAGGGATGGGCTTGGAGACTGGTCA
 ACAGACTGCAAGGCACTGGTGGGGAGGGCTGCTGTGTTGAGAGCTACAGAGGTAAGACAGAAC
 ATAAGACTTGAAGTGGCCATTGGGATTCAGCAGCAGCTAATGGGCTTGTGAGACTTTGGAGCTGCA
 ACCAGCATGGCTGGCATAGATGGCAGTGGCCAGGGAGTCTGGATAGCAGGAAAGCAGGGCTTGTG
 GGGCTGTCTTGAGGGAGAGAACAGGTACTGGGTTTGAGCAGGCTCTCATCAGAGATGGCTGAAGGA
 GCGAGCAGGGTGGAGGAGATGGGCCAAGCTGGCTAGCTGGTGGAGGACGCTTCTGGAGAAGTGGCC
 TCTTCCCTGAGCTGGGAAAGAGAATTTCTCAAGGTTAGGGATTCTCTTGTGGGCTT
 CACCAAGTCATTGGTAGATGGGCTGTAGCTGCTCTGGAGAGGGCACCCGAAGCCAAATAGAGAAC
 GATAGGGTGTGGCAGGGTGTCTGGGATAGAGGGTGTGCTGATACAGGGTGTGAGAGCTGG
 TCTGGGGTGTAGCTGCAAAAGGGAGGAGTCTGAATGAGCAGTGGCCGGGGCTGGTGTGCTC
 GCCTGTAATCCAGCACCTTGGGAGGAGATGGGCCAGTGGCAGACTCTGGAGCTTGGAGACCC
 TGCCCATATGGTAAGGCTCTCTACTGAGGAAATACAAAATAGCCGGCATGTTGGGGCCACTTG
 TAATCCCAGCTACTCGGGAGGCTGAGGAGGAGATCTGTTGAAACCGTGTGAGGGAGATTCAGTGG
 CGAGATCAGGCAACTGAACTCCAGGGCTGGGAGACGAGAACACTGTCTCTC
 AAAAGGCACTGAAAGAACGCTCCAGGAGGAGGATGGGTTGGGCTGTGAGTGGGCTCTGTAGAG
 ATTGGCATGGAGATTGGCATGAGAGTGGTGTGTTATTTGAGTTGGGGCGCTGAGGAGCTGAGGA
 TCATCTTGTGGACACAGATGGAAACCAAGCCAGGGGCTGTATCTCCAGTGCAGTCAAGGTAACACAGA
 AGAATCTTGTGAGCTGGGATGGGAACTATGGTGTGAGTGGAGGCTGTGTTATCTCCACCC
 ATTCAGGATCTGGAGGGTCACTGGGACATGGGTGTGAGTGGAGGCTGTGTTATCTCC
 AAGAGGGTTGGAGGGCAAAATGTGCTCTGGGAGCAGAAAAGGAGATGATTTAGGTTACCC
 CGAGAGCTCTCTTACTGTGGGTTGGTGTCTGGAGAGCTACGGGAAGGGTGGAGAGGGGCC
 GAGCACCTGAGTGTGGGCACTGCCAAGGGTGGGAGGGCTCTCTGGCAGGGCTGAGCTGG
 GGTACAGGGCTTGTGTCACAGCTACTGAAGGGAGATAATGGAACGGAGAAGAGATGG
 CTGGAGCTCTGACTGTGCTACTGCCGCTGTGTTCTGAGTGTGAGAGTAAGGGCAGGGCC
 CAGGGGGGGTGTGCACTGTGCTCTGGGAGGGCTGGTGGTGTGCAAAAAGAGTATTTAGG
 TTCTGGGTGGCGGGCTGTGAGTGTGTTCTGGCCAGGAGATGGCAGAGACGTTGCTGTG
 ACCGGGACATGTCACTCTCCCGAAACCAAGGGCTGAGAATACTGAAACAGGCAAGGG
 CCTCTGAGTGTGCTACTGCCGCTGTGTTCTGGCCCTCAACTTCCAGGCTTGGGG
 GATCTCTTGGCCATGTGGATCTGTGGAGCTGGTGTGCTGCTGAGTGTGCTG

FIGURE 1 (continued)

FIGURE 1 (continued)

CCGGTTCCGGATGACATGAACTGATGATGCCAGTATCAACACGGGATAGTGTCAAGGTTCTGTG
 ACTTTCTTTACAGCTTCACAGTCCCAGTTCATAGAGGAGGGTGCCTTTTCCATACACAAGAAGGT
 GCTGGGTGGAAATTCACCTGGCCCTCATGATCCATGTTCTCTAGGTTTTATGCCATGGAGAGAA
 AGGTTTCCATACAGAGAAGGAAAGGACTGTGTAGGGCCCTTGTAGGGCCATCCACGGTGGTAGGA
 CGTCCCTGGCGTGTGTTAGTTCTAGTTCATCAATAGTATCTTCTAGTCTAGGTTAGAACAA
 GTGTTCTCTGGAAACAACTGGGAACAGACAGCTGCCTTCTAGGAGCTTGTAGACCTGAG
 GCTCACCTCTTGGCTCTGAAGACATTGCCCTGCTCACTGAAATGTTTGTGTTCTCTAG
 TGGAAAAGCTGCCAACCTCAAGCAAAATTTAAAGATCTTCACTTCAAGAATCTCCAGACCTGACA
 ATGTTGATGACCCAGAGGCAAGTGTGTTGGGGAAAGACCTTACTTGGGCCGAATGCTTGG
 CATCAGGAGTGTGTCCTCCATCCATGCGTACAGGGCGTGCCTCACAGTGGCACAGCTCAGGGTTATG
 ACCTGGTGGACTTCACCTAACAGCAGCATTCAGCACCTTGGGAGCTTCTGAAAATAACTGGTACCCG
 GGGCTTAGCATAGGTATTGTTCAAAACCTCTAAGGTGATTAAATGAGTAACAGGGTTGAAAACCC
 TGAGTTGGCAGCAACAAACAAAAGGAGCAGGAGGGGGAGAGGGAAAGTCACTGGTACCCAGGGTAG
 ATGGGCTCTCTGGCGTCTCTGGTCTCTGGCATCACAGTACAGAACCTCTGGCTGAGCACAGGGGA
 CAAGTAGCTGGTCAAGTGCAGACCTTCACTTCAACAGCTTGGCTCAGCAGACATGTACACAT
 ACAAAAGTAGGCTCAAGGGTCAAGGGCTTCTGGCCCGACAGGACTAAAGACTGCCGCGGGAG
 ATGGCAGGAGCAGTTCCTGCACCTTCACTGGTACAGTGTGGCATGAGCAGAAAAGGAGGGTCTGCCTC
 CTGACCAAGCACATCTGAAACATCACTGAGGCTGAAACATCACTAAGGACCTAGACACTCACTGTC
 TTCAACTGGGCCACTACTCACCATGTGAGTCTGTGGGGTGGTAGAAAAGCAATAAGGTTAGGGT
 ATCCCCAGACACTACTGGTGAATAAGGATCATGCTCTTCACTTAAATTAATAATGGATCAAGCA
 CAGTCAGACTGCAACTCTGTCCTCTGGTACTTGTAACTTCCAGGGGACTTGTCTTGGGT
 TAATCTAGGGCTCTGTCCTGGCTGGAGAACCCCAGACACCCCTGGTGGCGCTCCGGAA
 TTCCCCATAGTATCCCCAGTGAATCAGCTGGCTGACTTACCCACTACAGCATTCACTGATTGGCTT
 GCGACTTGCATGGCAAGTGTGCTCTGTTCAAGGCTGGTGGGATTCAACACACAGCTGGCT
 CCCATGACATACTGGACTCTTCTGGTCTGGCCAAATCACTGCTCTGGCTCCACTGGTAGGTGATTTC
 ATTTCAAAGGACCTTCTCTCTGTCCTGGCCACCCCAACAAAATCAAATGCTTTGG
 GTCTTGAAGGCTGGCTTCTGGTCTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CCCACACCCGGGGCAAAATGACAGGCTATGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CAGTGTCTCTCACCGAGATGATAACCGGGTTGACTTTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 ATCATGTTCTCTCATGAGAAGGCACTGGTGTACTCAGCAATGCAAGAGACAGTGTGGGAACTTC
 TCTGGTAGCTGGAGGAACACTGGCCCATCTACACTTCACTGGAGTTAAAGTCCACAGAAAGTGGCAAGA
 AGTGAATGTTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 TTTTATTTAGGATAATCAAAGGTTGAAGTACCTGGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 TCCGGTTCTCCCTCCCTTATCCAAATCCACAGTACAAATCTAGGAAATGTGCAATTGCTCATCTAGAA
 ATAGCAGCATCCCCAACAGGGGACCTGTGAGGGCTCTGGAGATCTCAGGAGGCAACCCCTACTCTG
 CCTCAGCACGGACACAGTCCAAACGGGAAACTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 GAATTCCTTCTACCCAGGCTTAAAGTGTAGAGTATGCTGTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CCATGGCAAGGAGATGGGACCCCTCTGGAGGTTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CAGGGAGTGGCTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CTGCTCAACAGTCACTCCCCAGTCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 GACCAAAATGCAAAATGGGTGCTAGAAAACGGGAAACTCAAGACCTTGTAGGGAGGCACTACAGGCTTCTGG
 GCACCTCCCTGACTTCTACCAAGGCTGGCCCTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 GGAAGGTGGGCTGTTCTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 AGCAACTGGCTCAGAACAGCACGGGGAAACCTCTACACGGGGTGTACTGCTTCTGGCTTCTGGCTTCTGG
 GTCTAACCGGAGAACACGGGATGGCTGCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 CTGCTGACATCTCATGTTGGGCTCTGGCCCTGTCAGGAAACTCAAGCAAAACGGAGGCAACAACTGATG
 GGCAGGAACCCGGGGATGGGTGAGTGACAAAGATCTCCCTAACAAATTAACAGGATTCACTGGGATTACAGG
 AGTTCTGGCTCTGGCCCTGGGGCTGGAGTGTGAGTGTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG
 GTCTAACCGGAGAACACGGGATGGCTGCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGGCTTCTGG

FIGURE 1 (continued)

AATTTTTGATTTTGTAGAAGAACGGGGTTTACCATGCGCATCAGGCTGGTCTCGAACTCTGACCTCA
 GGTGATCCGCTCCTTGGCTCCAAAGTCTGGATTACAGGTGAGCCACTGGCCCAGCCAACTC
 ACCTTAATTGATCATCCACTTACGGAAAGAACAGAAGTAAAGCATTAACCAAGAAAATATT
 CATTAACACATACAGGTCTCATGTGTGTGACCGGACATACACAGCTTCAAGCCAGTCTCC
 TGAAGGAAGAGGACTAAATGCGAGGTAAATGCTCAGGGCTCTCTCATGATACCTGGGCTCACCCT
 CAAGTGGACAGCAGGGAGGTGCTAGAGTCCCACAGAGCGGCTGCCCTCTCTCAGCTGC
 CAGAGCCACAGGGAAAGGCAAAAGCTTCAAGGCTGGAGACAGGCTTCAAGCCAGC
 ATACCTGGACAGCAGGGAGGTCTCAACCCCTCTCAAGGCCAGACGCTCTGTACTCCC
 ATATGTTCTTATCTCTCAAGTCTGGAAACCCAAAGATGAGAATTTCAAGAAATTTGAGGAAGGGCT
 GCTTCCCCTGTCCTGTCATAGTAACAGGGCTGCCAGTCTCATCCCCAGCTCTGGTTCTCC
 CCCCTGCTCATAGGCTCAGGGACTTAAAGTGGATGACTCTGCTGATAGGCTAAATGAAACATTCT
 TTGGCATAGAAACTCTCTGTGAAGGACTGCTGGCTCCATTCAAAAGAGGTCAAGTTTGTGGCAG
 AGCTCAGGAATGAAAGAACAAAAGGGAGGCTCTCAACCCCTCTCAAGGCCAGACGCTCTGTACTCCC
 ATTAACCTCAACAAACAAAGTGCAGACGGCTGGTGAAGACAGGACACTTGGTTAGGCCCTGGGCCCC
 CCTGGTGTGACCTGGCACTGGAACACAGATGCGAGAAACCTGTGGTTCTTGCATCTCAGAG
 CAAACCAAGCAGCACCTGTAGTGCACCTTTCTCCAGGCCACTCTGTCAAATCAAAATCTGGTGCCTCA
 CCAGCCCTGGTGTGCGATGGCCCAACCATGTCCTGGCCCAACTTAAATGGCCAGGAAAACATCATG
 GTGGGAGATGAGGTTGAAGGCTTCTGGGAAAGGACTTGAGCACAGGAGAAAGGCTTGAGCTCCACA
 ACTGCCATTGCTCAGAACATAAGGCTTCTGAGATCAAGTGTCCCAAACATGGGAGTAGGCC
 CCCGGTGTGGCAGGCTGGTGAAGAGGGTCTGTCTGGAGTGGGGACTGAGGCTCTGGCTGACCTGG
 AAGAGACCTCTGGAGAGGGGCTCTGCTGGAGTGGGGACTGAGGCTCTGGCTGACCTGG
 GTGGGCTCTGGGCTTGGGAAAGACTTGACTATGGGCTCTGGCTGATGTGCTAGGAGTTTCTCT
 CCAGCATATAACTACCTGGTAAATGATGTGATATGGTAAATTTAAATTTAAATACAAAGCACATCTGC
 AAATGTTGAGTCAAATGGTAAATCTCCAGGAAACTCTGAGCAAGAAAAGAGAAGATGACTTTAG
 GAAATCTCTGGGCTTGGTAAATTTGGTAAATTTAAATTTCTCTGGCTGCTCTCTGCAAGTGGCTT
 TATCCACTTGGGTTGATATCTGAATCTGAATCTGAAGAACAGCTGACCAATCTGGAGTATTGGTCAA
 AAAGAGACCCAGGGCTCAAGCAGGACATCCACACAGATCCAACAGGAGAACAGGAGACTTGG
 CATGAAAGGAGCAGGGACAGATGCTCCAGGAGCAGGAGAGAGAGAGAACACAGGACTTGG
 AGGGCACTGACTGAGCAGGATAAAACACAGGGCACTCTCAGGCTCAGGAATAGAGAGATTTCTGG
 TGGGAGGCTTCCAAAGGCTAGCTGGAGATGAGACACTAATCTGAGTGTGAGGCCGCAAGGCACTACC
 AATGTTCTGTCACACTCCCTCTGTGACTAGAGAGCACAGGGTGGAGTCTCTGGTCAAGGTGCTT
 GGTCCACCTGAAAGCAGGACCTCTGACTCAGGCAAGAAAAGGACTTAAAGTGTACATCACTACCAAAA
 CCCCAAGGGCTGGCAAGGACATCAACTGGGCTTCTTGGAGGCAAGGAAAGATCTCAAATAGCA
 CTCTCCCTTCCAAAATAAAAGCTCTTATAGTCAAAAGGAAACAGTAATCAAAATACAAA
 GCATATGATCAAAATTAAATTCCTTATCAGAATGATCATCTGGTTACCTTGTGAGACTCGATCTA
 CAACCCCTGAAATAAAACAAATGGTACAGACATCAGCAACAAAACACTAAAAGATGTTTACTA
 TCTCTGAGGAGTCAAATCTGATCACAGGAAAGGATTAAGATGAGCCTTTTATAGGCTTCTCTCA
 GGAGGAGACTAACCTCACCAACTCTCACTCTGAGGCCACAAATGGCTTCTACTGAGGGCAACACACA
 ATTTAACCTTAAAGCAGTGTGCAAACACAGTGGAGCTCTGTGAGCAGGGCTACATACCTGGCTG
 CCATCCCACATCCCCACTGGCACTGGCTAGTGTGGGTGTGCTCTGAGCAGGGCTGAGTGGCTT
 GTTGTGCCCCAAACCTTGTAGTACCTCTTAACTGTCCTTAAAGCACCTGGGATGACTGCTCCCT
 CATCATCGCTTTGATCATCTTCAAGGATAAGGCTCAGAGCATACTCACTCACTCTCATCCAAACAGCAG
 AGGAAGAAGGATCTGTCAGACTGCTGGCTCTTACATGGGCACTCTGCTCTTGTAGTGTAGGCC
 GCTGTGTTGGCAGGGCTAAACCATATAAGGAAACACTACCCAGGGCAGGAGCACTGACTTTTCA
 AAGATGAGCTAGTGGGCTATGGCTGAGTGTGAGGCTCTGAGTGTGAGGCTGAGGCTGAGTGTG
 TGTGTTGGGTGTAAATTAAACGGTGTAACTAAGTAACCAAGAAAGAAAATCTCTCCACAGAC
 CAGTGCATCGAGGCTCTGGAGGTAGTGGCAGCAGGAGTCTGGAGGTAGGCACTGGGTGTTTCTGAC
 ACCCGAGATGGCTTCACTGGCTGGGCCAGCTGGCTAGTGGCACTGTGGTGTGCTCCCTCA
 TCCCCAAACCCCATGTGCCACCAAGTCTCACTGACACGCCAGTGGCGTTTACAGAATCAA
 TGAGTATTATATGTTATGTTGTTGTTATATATATATAATTAAATCTGCACTGATGTT
 TAAAGGAGAAATTCTCAAGTGTGTGTTCTCTGTGAGGAAAGACATCCTGGCAATTCTGCA
 AAGGTTTGTGAGACCAACATCTTACTCCCCAAATTAAAGAATACAAAATAGGCTGCAAAACTGTGCCAA

FIGURE 1 (continued)

GTACTCACAAAGTCCCTGTTGAGACAAATAAGATGTTGCTCTATGGGACAGGAGGGCAGAAGATGAC
 ACTTTAGAAGAACATGATTGGTTCTAAAGCAAGACCTCTCTGAGGAGGGGCCAGACAT
 GCTTGTCTTGAGGCCACATGAGCACGGTGCCTGCCAGGTCCAGTCTCTGGGTAGGGAGAACAGC
 TCCCTAAACACCCACCAAGTGCTCTTGCCCCAAAGCCCTTGCCCTCTCTGGGTCTTAGCACTGTCA
 CTCTGCCAGGCCAGGAGGTGCTGTGCCCCACGAAGCTGTACTCTGTGGCTACTGGGAGAACAGC
 GTGGTTCTAAGAAATGAGCGAGCTACAGGTGACAGGTCTTGGTCCCTCTTACCGTACTC
 TCAGAGCACCCGGCTTGGGAAATTTGAGGTTACATTAGAAGCAGCTGTAAAGCAACTTTCTAA
 TTCAAGGCACATTCTCTGTAATTCTCACTTCAAAAAGGACATAGGGTTAGGCTTAAGCTTAAGTGA
 TCTTGTCTCAAGTTGGGACATAATAAAACTTTAAAGCATCTCACAAGGACACTGATGCC
 GCACCTCCAGGATCTGATCAGGACCTGGGAGGCCACGGGACTCTGGGTGTT
 TGCAGGATCTCTGAGCTTGAGGTTAAAGACCCCTACCTCTGATAATACTCAAGAGTCAA
 CAAATCCCTCAGCCTCACCCCTACTAAATGGGAGCTGTGTTCTTCCAAACCATAGGAGGCTT
 GAAATGAGTGTGAGAAGGGCTCTGAAACACCGCAGTGGTCAAAGCTTCTGGCTATAGTTCC
 ACTTACGTCCCTACCCATGTTCTTCACTTCTCACTCACAACATGCTAGATTAAAAAAA
 ATGAGGACATAGGTCAAGCACATTAGGTTAACACAAATGTTCTTGTGATCTGATAACTGAAA
 GTTATGGTCCATGATCCTAAACCTCTGAAAGGAGCAAACTTACGGCTAACAAAGAGATGTTAAAGC
 ATCCACCGCTAATCACATGGCACTGGCTTGGTAAAGGTTACAGCAGGTTCTGACTGAGTAC
 CCACAGGCAAGCAAGCCTGACATGAAACGTAGCCGGTACATCACTTAAATGAGCAGAGATCTCTCAA
 GGTACTGCTCTCTGGAGAACACAAAGGGGTTCAAAAGGGGTTCAAGCAGTAGCTTGTGCTATAACTT
 CCCGCTCTGAGGAGTGGGGCACCTGTGACCCAGAACACAGGAGCTTACAGGAGT
 TTTAGAGATGAGCTAACTGACAATGCACTGCTGGTAAACAAAGTTCTACGTTAGCAGITGGTATA
 ATCTGATGTTTATTAACATATAGGGTGGATGTATGTTAAAGGTTGATGTTCTGATGAAATAT
 GACTATGAACTCTGAACTATTATCTGTTGGAGGTTAAAGGAGGCTCTACATGTTGGAGGAGAAC
 TGAGGAGAACCCCTATCTGGTCTGGTCTGGTGGAGGGCAGGGGAGGGTAGGGCAGGCTCTGG
 CTGCTGGAGGATTCTGGAGCTCTCCAGGGTGCACAGCGGGCATGGGAACGGCATGAGCAGCA
 GAGAGTGGGTTGGCTTCCACGTGGCAGGGTTTCCAGTGGCAGTCC
 TCAAACTCAGTCTCTCTGAGAAAGAAAACATGCTCTGACTCTGGCAGCTGCAACCCCTGGCC
 CCAGGCAGCTCTGGCTCTGCTACCCAGGGTGCATCTGGCTTGGAGGACTCTTAACTCAGACA
 ATGAATGGCCTCTGCCACCCACTCCCCACCTCCAGGCTGAGGGAAATGTTGGGTTAAGGACAGGATCT
 GGCTCAACCTCTGAAAGCCATCAGACTCTCTGAGGACCTCTGCTAAACCTTAGGCTTACAGCAGGAGCA
 GTGTTTGGCCTCTCAGGCTTAACTCCCTAGCTCCAGGGCTCCACCCAGCTCTGAG
 TCCCTGCTCTAAATGCTTACCTGGCTCTCTCTGGAGCTCTCAGAACACATACTGTTCAAATAATA
 GCAGCTGGCTTGTGATGTTCTGATGTTCTGACTGTTCTGACTTGTAACTTCAACCTAAC
 TCAAAAGTCAAAGTAAGGTGATACTAGGAGGTTCTACATCTGCTGATTCATAAAAGAAATGCTTAA
 GCAGCTGGCTGAGAAAGGAGCAAACTGGGAGCTGAGATAACAGGATCTGGGCTCTCTGACCCACAGT
 ACCGCTCTCAGACAGAGAACATGCAATGGCAATGGCCACCCCTGCCATTCTGCTCTGCTC
 AAAGGACAGAACATGTCACTTGTGGATTAGTACGGTCTGGGAGGCAATGCTGTGATTCAAA
 CACTCATCACATTCTTCAATGGTCACTTGTGAGCTTAAAGAAAAACCATGGTAAATATAACAT
 ATTACGACAATTAAAGTGTAACTTCACTGAGCTTAAAGTACATTACAATGTTATAAAACCATC
 ATTTCCAGCAATTTCATCTAACAGAAATTATATATCTAACACAACTCCCTGTC
 CACCCCTTGGGCCCTGTAACCTCTTATTCCTCTCTGCTATGCCCTTGGCTATTAGACCTCA
 TGTAGTGTGAAATGGTCAATATTGCTTGTGCTTGTGACATCTCACTTACGGTAAAGTGT
 TCCATCCATGTTGAGGATATCTGAGAATTATTCTCTTGTGCTGAAATAATCTACTGTTG
 ACACACATTCTTCTTATCTGGTGGAAAGTACTGTTCCGGCCTTGGCTACTGTTG
 CTAGAACACTGAGTGTACATGCTGAGCTGGCTTCTGGCTAGCTTGGGCGTATACCTGAGGAGTGA
 AATGGCTGGATCACATGGTAAATCTATTCACCTCTGGTAAAGAACCCAAAGTGTCTCCAGGAG
 CTGACCATTTTATTCACCTGGCTTCTGGCTAGCTGCTGACATCTCACTTACGGTGTGGTTGATTG
 TTTCTCTGGGTGTGTTGTTGAAACGGCATCTAAGTGTGAAAGTGTGATCAGCCTGTTGGTTGATTG
 CATTCCCTAAATGGCCCGTAAAGGGTCTGCTTGTGATCTGTTGTTGTTGATTGATTGATTG
 TGTCTAAATCTCTTACAGATGTGATTTCAGCTTTCTCCCATCTGTTGGTTCTTCACTT
 ATATAAAATCTCTTACAGATGTGATTTCAGCTTTCTCCCATCTGTTGGTTCTTCACTT

FIGURE 1 (continued)

FIGURE 1 (continued)

FIGURE 1 (continued)

TTTTTTTTTTTGGCTAAGTGTCTGGCTAGAACATTCCAATGCTGTTTGAAATAGATGTGGCAAA
 CTGGGCATCTTATTTATCTGATCTCAGGGGAAAGTTTCCGGTCTTCCCATTGTTGAGTATGAT
 GTTAATTGTCGGCTTCAATACTGGCTTCACTATTCATATTGTCATATTCTACTTACTGAGTGT
 TTTGAGAACAGCTGGTACTGGTAAATTGCTCTTCTGCTTAATTGGAGTGTGTGTTTATTCTCTTAT
 TCTGCTCATGAGTAACTCTTTAGTATCTGCTCAATTGGCTCTGCTATTGTTGGGATTITGGT
 ATCTATATTCAAAAGAGATTACTCTGTAATTCTTTCTGTTGCTGCCCCCTGCTCTGGTGC
 AGGTAAAGGTGACCTCATGAGTTAACAGCTTACTCTCTTCAATTGGACAGGTTGAGAG
 AACCTGGTGTAACTCTTCTCAATTGGAGAATTACCCAGGGCTCTAGACTGTCATGTTGG
 AATTTCTGATAAACATCTCTTCAAGTGGTATTGATATTGGTTTTTGTGAGTGT
 TTGGGAGAGTGCGGGTTCTGAGAATTCTCATGAGTACCTTATTGGCACATACTGTTAATAG
 TAGTCTTATAATCATATTGAAAATATCTTATTCATGAAAATGTAACATCCCTCTT
 CCTCTCTGATTTGAAATTAACTCTCTTCTTCAATTGTTTAAAGGTTGCTAACATTGTTTTC
 AAGAACCAACTTTGGTCTTGTGATTTCTATCTGCTCAACCTTATTCTCTCTGTAACCT
 TTGGTTCAATTGTCCTTCTAGTTAAAGTGTACATTAGTTACTGATTTGAGATCTTAAA
 AAGTTTAAAGCATGGGCTTCACTGGCTCACCCAGGGTGAAGTGCAGTGGTGCAGTATGTCAC
 TATAACCTTCAAACTCTGGTAAACATCTCCACCCACAGACTGGTACAGTGCACATCAGGAA
 GCCACACCTGGTTATTTTACTTTTGTAGAGACAGGATCCTACCTTGTACCCAGGAGGCT
 CAAACTCTGGCTCAAGTGTACCTCTGGCTTGGCCTTGGCCTTGGAAAGCATTGGGATT
 CATGTCGACTGAGATTTTTGTAGAGGAGTTCGCTCTGTTGCCAGGCTGGAGTGC
 ATGTTGGGCTTCACTGACTGCAACCTCTGGCTCTGGTTCAATTCTCTGGCTCACGCCAAGT
 AGCTGGGATTACAGGTGCTGCCACATGTCACCTATTGTTAGTGTAGAGACAGGGTTAC
 TATGTTGGCCAGGGCTGCTCTGCAACTCTGACCTCAGGTGATCCACCCACCTTACGGCT
 GGATGAGGCTACAGGCTAACCCAGGCTTAAGTGTCTTAAAGCTTACAGGCTACAGGATT
 TACCTCTAGGATTGTTTCACTATGTCATAAGTTCTGTTGCTGTGTTTCTATTGTC
 TTTTACTTCTCTTATGATTCTTACCCATTAGTTTAAATAGTGTGTTAATTCCACCTTATTG
 TGTATTCTCCTTCTTCTTCAATTGTCAGTTCTTCACTGTAACCTGAACTGTACTCTGTAATC
 TCAGTTTAAAGTATTAAACACTTCTTCTGCTTCAACATACCGGTTACTCTGGAGAGTCTCAT
 GTGAAATTGAGAAGACTGTGTTCTGTTGTTGGGTGTTACTCTGTTATGTCATTGGTCTAATT
 TGCTTAGAGTGTGTTGAAATTCTCTTCTGTTGATCTCTGTTGTTTCTATCCATTATCG
 ACATGGAAATTAAAGTCTCAACTTCTTCTCTTCTTAACTCTGTCATTCTCTTCTATATG
 TTTGGGACTCTGTAGGGTATATAATATAATATAAAATATAAAATATAAAATATAATAT
 TTATATAATATATATTTCTATATAATATAATATAATATAATATAATATAATATAATATA
 TATATATAATATAATATAATATAATATAATATAATATAATATAATATAATATAATATA
 TATATATAATATAATATAATATAATATAATATAATATAATATAATATAATATAATATA
 ATAATATTTATCAATTATAATATCTGTCCTGTAACCTTCTGTTGATTTAACATTATTTGTC
 CTCTTCAAAAGAGGACACTGGAGGTGAAGAAGGAAGCTCTGACTCTCTAAAGCTGATCCCCAAGTGA
 AGGCTTGAAGGCCAAGAAGCTGGCTGAAGGCTACACCTGCAACACATGTCAGGGCTGATGG
 TCACACATCACCCACCTCTGTCGGCCAAGACATTAGACTCTGAGACAGCCTCAATTCTCAGAAG
 AGCAGTACCCAGGAGAATAAGCTGACCATCTGATCATCAAGTCCCAATAACAGTGCACACTGAG
 TCTGATGTAATTAGATAGAACACAATTACACCTGTCATCTGAGTGTGTTAAAAGCCAAAAGTAC
 CAGGTCAAGGCTGTGAAAGCAGCTATGACACTGAGTGGTCAAGGTCACACATGTCAGGGCTGATGG
 AGAGAAGAAGGGCTATGTTCAACTGGCTCTGATTACATGCTCTGGTCAAGGTTGCAACAAAAGTGA
 ATCTGGCTGAGTCTGCTGCTAATTCTAAATTATATAATATAACATGTTACATATAATTCTAT
 TAATGTTATATAATTAAACATATAATTATTTATATAATTGTTATATAATTAAACATATAATT
 TATATAATATTGTTATATAATTAAACATATAATTATATAATTGTTATATAATTAAACATATAATT
 TTATATAATTGTTATATAATTAAACATATAATTATATAATTGTTATATAATTAAACATATAATT
 TTGTTCTCAGGAAAGAACAGATTCTTCTGCTGTTGATAATAGCCACCTCAGCTGTCATATTGGTACT
 ATTTCTAGGTTGATCTTCTTCTATCTTCAACCTCTGTTGCTCTTATATCAACATGAGTC
 TCTAAGACAGCATATAAACACTTATGTTAACTCCAATCTGCCAATTGTTTAAAGAAGAGCT

FIGURE 1 (continued)

FIGURE 1 (continued)

FIGURE 1 (continued)

TTCTGGGGGAGATCTGCTGGGCTCTCAGGCAGGTCTCAGGGGCTGGGCTCCATGCTGGCATCT
 TGCACACACACAGTCTTCACTGGGATCATGCATGGTGTGGATTTCCTCTGCTGCCATGGACAA
 TCACTGGGTGATCACAGTTGAGACCTTGTCCATAAGGGCCTAACATAACAGTCCAGCTCTCGAT
 GAGGCCAAGAAAAGGAGGAAAGGAGGAACTTAAATGAGCTTTCAGTTGAGTGTGAGGTTTCCCTATTCA
 ATCTAAGGAAAGGGGAGGAAAGGAGGAACTTAAATGAGCTTTCAGTTGAGTGTGAGGTTTCCCTATTCA
 ACACATTCCACTGCTGGCTCTACACATCTAGCTTTCAGCTAACAGTAAAGTTAACCAACTTGGATATG
 AAGCTTAAGGTTAGGGAAACGGGCTTAACTGACAAAGGAGCTGGCCAGAACTGGTCAAATTCGGATACCCAG
 CAACCTGATAGACTTAAGCAGTATTTTGTGTTCTCCACACCCCTACATATCCTGCAATTAACTA
 ATTCAGATAAAAAACAAACGGCCCTCTTTGGACCTCAAATTAACTCTGACCATGTCAGACTGAGAA
 CAAAAGATCTAGTGTAAATTCTTGTACATTGGACCAACACGGGGTTTCTTCTATGGCTTCAGCTTCCC
 CATATGAGAAACAGATGACGGCTCTGCTGTGCTTCAAGGCCAGGGGGACCAAGTGTGCTGAGTGT
 GAACCGAAGGGTGGGGTGGGGTGGCTAGGAAGACGGGCTGCTGTAAGGCCAGGGCTGCTGAGC
 CTITCTCTGCTGGGCACTTATTCAGGGCAACAGGAGCTACCTTACAGTTACTGGCTGTGTTGT
 ATCCGGACCATCTGTTACTGAGATAACCAAGGTCAGGGGATCCACAGAACGACTTGTG
 GCCAGCAGGTATACATTTCTGTTACGACCACTAAAGGGTGGTCTCACCTGAGATCTGAGAACAG
 TTGGACTCTCCCAAGTGGGCTCTGAGTACTGGCTAACGCTTGGAGGGACCTCCAGTAGGGC
 CGACTGACACTCATACGCTGGTGTGGCTCTGAGATGAAGCTTCAGAGGGGAGCATGACAA
 TCTGCCCTTCTGAGTATTGCTGTTCTGAGCTTACATTGGTGTACCCAGGGCAACAGGGTGTGGAGT
 GGACCTCCAGAAAACCTCAACAGACCTGCACTGAGGGTCTGACTTTAGAGGAAACAAACAA
 AAAGGACATCACACCAAAACCCATCTGGACGCCACATCACAAAGACAAAGGTTGATAACCA
 AAAGGAGGAAACAGAGCAGGAGCAGAAAGCTGAAATCTCAGGGTGTGAAAGGAAACAAACAA
 AACCGAGCTCTCACCTGCAATGGAAACAGGCTGGTGGAGGAACTGGCTTGTGAGTTGAGAGGG
 CTTGAGCTGAGTAAACAAACCTCTGAGCTAAAGGGAGGATGCTGAGGCTTACAAAGAACG
 AAAACCTTGAAGGAGGATAGTGAAGTACTGAGCTAACAGTGTGAGAGGAAACCTTAAATGAC
 TGATAGCTGAAACCATGGCATGAGAACATGAGCATGACGCAACAGCTTCACTGAGGGATTGATCA
 AGTGGAGAAAGAGTATCAGTGTGAGATCATAATGAAATGAGCAGGAGAAAGTTAGAGAGAAAAG
 AGAAAAGGAAACAGACAAACAGCTTCAAGGAAATATGGGACTATGTGAAAGGAAACAAATCTGCTGT
 GTGTGACTCTGAAATGAGCAGGGAAATGGAACCAAGTGGAAATTCAGGAAACACTCTTCAGGATATTACCGAGA
 ACTTCCCACCTAGCAAGGCAGGCCACATTAACAGGAACTGGCTTGTGAGTTGAGGAAACACTT
 TCGAGAGAGGCACTTCAACACATTAATTGTCAGATTCCACCAAAAGGGAGGCCATCAGAAATAACCGGGATCTCGG
 CAGAAACTCTACAGGCAAGAGAAGTGGGGCCGATATTCAACACTTAAAGGAAAGGAAACATTTCAAT
 CCGAAGTTTCTATCCAGGAAACTAACGCTTCAAGTGAAGGAAATAAATCTTCAACACAA
 AATGCTGAGGATTTGTGTCACCAAGGCCCTGCTTACAGGCTCTGAGGAAGCACTAAACATGGAA
 AGGGAAACACTGGTACCGGCACTGGCAAAAACATGCCAAATTTGAAAGGACCATCAATGTGAGAAAAC
 TGCACTAACAGGCAAAAACATGCCAACTAACGCTAACATTAATGAGCAGGATCAAACTCACACAA
 TAACCTTAAATGTAATGGGCTAAATGCAACAGCAGACCTAACTGACATCTACAGAACTCTCCACCCCA
 AATGAAAGGAAATACATTGCTCAGGACACAGCACACTTCAAAATTGACCAATGACACTTGGAAAG
 TAAAGCACTCTCAGGAAATGTAAGGAAACGAAAATTTAAATTAACACTGCTCTGACGACCAACTG
 AAACACTGAGGATTAAGGAAACTCTCAACCCGCTCAACTACATGGGAACTGAAACATCTGCTCC
 TGAATGACTACTGGTACATAACGAAATGAGGCAACAAAAGGAGTGTCTTGTGAAACCAATGAGAACAA
 AGACACAAACATCAGGAAACTCTGGGACATTTAAAGGAGTGTGAGGGAAATTATAGCACTAAAT
 GCCCAACAGGAAAGCAGGAAATCTAAATTGACCCCTAACATCACAAATTAAAAGGAACTGAGAGGC
 AAAGAACAAACACATTCAAAAGCTGAGGAGGCAAGGAAATAACTAAGATCAGAGCAGAACATGAGGAGAT
 AGAGAACAAAACCCCTCAAAATCAATGAACTCAGGAGGCTGGTTTTGAAACACTCAGGAA
 AGACAGCTGAGGAAACTTAAAGGAAAGGAGGAAATAACTAAGACACAATAACAAACAA
 GGGATATCACCACCGATCTCCATAAGGAAATACAAACTTACAGGAAATGAGGAAACTTAAATCTACGCAA
 TAAACTGAGGAAATCTGAGGAAATGAGATAATTCTCTGAGACACATCACACCCCTCCAAAGGACTAAACCGAGGAA
 GAAGTGTGAACTCCGTAATACCAAAACAGGTTGAAATTAAGGCAATAATCTACAGCTTACCAACCA
 AAAAGGACTCAGGAGGCAAGACATCACAGCTGAATCTACACAGGTTAACAGGAGGCTGGTACTATTC
 CTCTGAAACTATCCCAATCCAGGAAAGAGGGAACTCTCCCTAATTCAATTATGAGGCCACATCG

FIGURE 1 (continued)

TCCTGTATACCAAGCCTGGCAGAGACACAACAAAAAAAGAGAATTAGACCAATATCCCTGTGAACAT
 CGATGCAAAAATCTCTAATAAAATACTGGCAATCGATCAGCAGCACATCAAAAGCTTATCTCAC
 GACCAAGTTGGCTTCATCTGGGATGCAAGGCTGTTAACATATGCAATCAAAATGATCTAACATC
 ATATAAACAGAACAAAAGACAAAACACATGATTATCTCAATAGATGCAAGAACAGGCTTACAAAAT
 TCAAACAGCCCTTCATGCTTAAAGGAACTCTCAATAAAATTAGGTATTGAGCAGTATCTCAAAAT
 GCTATTATGACAACCCACAGCCAATCATACTGAAATGGCAAAAGACTGGAACGATTCCTTGTAAA
 CTGGCACAAGACAGGGATGCCCTCTCAGCAACTCTTAACTATGTTGGAAAGTTCTGGCAGGGCA
 ATCAGGAGGAGAAAATTAAGGTATTGCAATTAGAAAAGACCAACTGCAAAATGGCTTGTGAG
 ATGACATGATTGATATTAGAAAACCCATCGTCAGCTTAAACTGATAGCAACTGCAAAATGGCTTGTGAG
 CAGCAAGGCTCAGGATCAAAATCAATGTCAGGAAACCAAGCTTCAAGGAGAATAAAATCTGGAAG
 ACAGAGGCCAAATCTAGTGAACCTTCAGGATGCTTCAAGGAGAACTACAAACAGCTGCTCAAGGAAATAGC
 AACTTCAAGGGATGTCAGGAGACACTCAAGGATGCTTCAAGGAGAACTACAAACAGCTGCTCAAGGAAATAGC
 CAAACAAATGGCAAGAACATTCATGTCAGGATGAGGAAATCAATTGTCAGGATCTTAACTGCA
 CAAGGTTATTATGACATGGCCATCCCCCATCAAGGACTAACATGACTTCTCACAGGAAATTGAAA
 ACTACTTAAAGGTATGGAAACAAAAAAAGGCCACATTGCAAGACTATCTAACTGCAAAAGACA
 AACTTGGGAGCATCTGCTACTGACTGCTTCAACTACTACAGGCTACTGAAACCCAGCA
 TGGTACTGGTACAAAAGAGATGTGACCAATGGCAAGAGCAGGCCCTGGAAAATACACACACA
 TCTACAACCATGTGATCTTGTGACAAATTGCAAAACAGGAAATGGGAAAGGATTCCCTATTAAATAA
 ATGGTCTGGGAAACTGGCTAGGCAATATGCAAGGAAATGGTCAACTGGATCTTCCCTTACCTTATA
 AAAATTAACTGGAGGATTAAGACTTAAATGTTAGCTTAAACCCATAAAACCTAGGAGAAA
 TAGGCATACCCATTAGGACATAGGCATGGGCAAGACTTCATGTCATAACACCAAAAGCAATGGCAAC
 AAAAGACAAAATTGCAAAATGGGATCTTAATAAAACAAAGGCTTCTGCAAGGCAAAAGGACCCATC
 AGAGTGAACAGGCCACCTACAGGAGAAAATTTCAGGATCTTCAACCAAGGCTTCTGCAAAAGGGCTAATAT
 CCAGAAATCTACAAAGCCTTAAACAAATTTCAGGAAACAAATCATAAGAACCCCATCAACAGTC
 AGGATATGACAGACACTCTCAAAAGAGACATTATGCGCAAGGACATGAAAATGTCATC
 ATCACTGGCCATCAGGAAATGCAAAATCACAATCAGGAGATACTATCTCACACAGCTTGAATGGG
 ACCCTTAAAGATGCGGAAACACAGCTGGGAGGATGTCAGGAAATGGGACACTTTCACCT
 GGTGGGACTGTAACATTGTCACCATCTGGGAGACACTGGGCTTCTGCAAGGATCTAGAATAGA
 AATACCATTTGACCCAGCCATCCCATTACTGGGATATACCCAAAGGATTATAATCTGTCATATAA
 GACACATGCAACAGCTATGTTTATGGCGCATTACATGCAAGGACTTGGGAAACCAACCAAAATGTC
 CATCAATGATAGCTGGATTAAAGAAAATGTCAGCATACACATGGGACTACTGCAAGGCCATAAAAAA
 TGATGAGTTCTGCTTGTAGGGACATGGGATGAGCTAAAGAACCATTTCTGAGGAACTTACCAA
 GGACAGAAAACAAACACCCATGTTCTCACTGATGGGAGCTGACAAATGAGATACTTGGACACA
 GGGTTGGGAAACATCACACACCGCCCTGCTGGGGTGGGGAGGGGACAGCATAGGGATATACCA
 ATGTAATGACAGAACAGGATCTGAGCTGCGACACCAACATGCGCAGTATACCTGAAACACCTG
 GTTGTGACATGTCACCTTAAAGGATATAATTAAAAGGATATAAGGTATCTTCACATATGCT
 TTTAAGTATTTTTAAAAGAAAAGGAGAAAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 TCCAGACATTACATAACATCCCCTACCTGTAATTAGTGTATTGACTTTAAATAGGATTTGACT
 TCACACTTTAAATGCTAAAGAAAACAGCTAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 TTATATATAAAAGCCAAAATTAACAGTTGATAACTCRAAAGAATAATAATAATTGTTCA
 GGATGCCCAGGAAAGGGATTCTGAGGCTTACTAATAGATGATAATCATCATTACTT
 GTGCTTAACTGCAATATGCTTAACTGAAACAAATGAGTAACTTCAATACTAAATCAAGT
 GTTGTGATTTGATACAAGAGATGTAAGAAAATTAAATATCTTCAATTCAGTAAATAACA
 CGGCTTAAATGAGGTTAAACATGCAACTGGGAGGGGAGGGGAGGGGAGGGAGGGAG
 CTTCACCCCTTCCCCACCAATTGCAACTGGCAGTGCACACTTTTACTTAAATTAAATTA
 TAAAGTGAATTAAATAAAATTAAATGTCATAATTGTTATACCTTCTCATTTAGTCAGGATTTTAT
 TCATATTAAATCACAATGAGCACCATTTGCTTCTTTCACCAAACTTACGTTATAACCTT
 TACACAAGCTTCATAAGTTAACTTAAATGCTACCTTAAATGTCACCAATGAAATTGACTTATCCA
 CCCCTGCTGTTGAAAGCATGCCAATCTCATGGGAGCAGTGAAGAACACATCTCTGGC
 TTTTCTTCTTCAATTAATTTCTGAGGTTAACTGCAAGGAGATGGGTTACCCATCTCA
 ACATTCTAAGCTCTTGTATATCATTTGCAACATTTAAATCAAGTGTCTTATGATCC
 AATCA

FIGURE 1 (continued)

GGGAAACTAAAATAATACAGTTAGGACCCAGTGGAGCAAATCAGATTTCAGACAAGTTAGGAAGACA
 TCAAGTAGAATACTGAAAGCACAAACGCAAAGAAAAGAAAAGATAAATTGGATGTCTACAAATTAAA
 AACTTGCATCTTCAAAGGTACCATCAAGAAAGTGAAGAGATAGACAATCCACAGAAAGAAAAGCTTGC
 CAAATCAGTATCTGGTAAAGGATATCCAGATTATAAATAACCTACAACTCAACCCATAGAAAGATAAT
 TTTAACCGGGTAAAGGATTGGAATAGACACTTCTCAAAGAGATAATACAAATGGCCAGTAAAGCACAT
 AAAAAGTCTCAACATCATTAGTTAGGAAACACAAATCAGAACACATGAGATACCACTTCAAC
 CCCACCAAGATGGCTTAATTACACCGCAGAATCAACAGTATAGTGAGGATCAGGAAACTGG
 TCACGTATTGCTGATGAAAATGCTAAATTGCTAGGCACTTGGGAAAGACTGTGTTGGCAAC
 AAATAGAGTTGCCATAAGATCCAGCAATTGGCCGGCCAGTGGCTACACCTGTAATCTAGCACTT
 TGGAGGGCCAAAGGGCCGGGATCACAGGAGTCAGGAGTTCAAGATCAGCTGGCCAGGAGAAAC
 CCATCTACTAAATAAGCTAAATTGAGGAGCATGGTGTGATCTGAGACTTCCAGCTACTCAGGAG
 GCTGAGGAGGAAATTGCTGAACTGGGAGGGGAGTTGCTGAGATCAGGCAAGATCATGCCATTGACT
 CCAGCTGGGCAACAGCAGTAAACTGTGCTCAACAAAAAAACAAAAACAAAAACAAAAACAAAA
 AAAAAACACCAAGCAATTAACTTCAAGTATACAGTATAAATAAAACATGTCACCCCAAAATAT
 GTACACAAATGTCACAGCAGCATTACAAATAATGGCCAAAAGTGGAAAACACCCAAACATCTATCA
 GCTGTGATGGTAAAGTAAATGATATACTTACAGTGAATTCTTCAGCCATGAAAAGGAATGAG
 TTCTGATCATGCTCAAATGGTATGCTGTGATCTGAGTAAAGGAAAGTCAAGACAAATGTCACATAC
 TGTATGATTCCCATTATATGAAATACTCAGAAAAGCCTACATAGGGAGAGATAGTGGT
 TGCAGGAGACTGAGTGGGAGAGGGGAGTGGCTGATAATGAGTCACCGGCAAGTAAAATTGTC
 TGAATTAGATAGTGGGATGGCTGCAACACTGTGATAATGATAAAAACCTCAGGAGGACATGCAAC
 AAGAAAGTGGAGGAGCAGTAAATTAGCACTGACTCTAGAAGGGGAGCAGATTACATCTTAAAG
 GTTCAATATAGTGACAGCTTCTGTTCTACTCTGACTCAGCTTGTGTAATTATTAATGTC
 AGAAGCTGAATGGCAGTGTGAAACATCAGGTTGCAAGGGAGAGGAGAGATGCAAGACCTACT
 ACCTGGAAGTGGACACACAAACAGAAAAGCAGTACAGGACACCCAGCAGCAGCAACTCTAG
 GAGAAAGCTAACCTGAGGCCATGCAACACAAACAGACTCAGGACACAGGCAAGGGCAGACTG
 TAATTGGGACTGGGATTCACTGAGGAAAAGGTATAGTGTCTGTGATTTTACTAATAGCTGAGA
 AGTGGACACATGAGATGGATTGATTGATTGGCAATAGCTTCACTTGTGATTTAAAGTCTGGCC
 AGGCACAGCAGCTCAGCTGTAACTCCAGACTTGGGAAAGGCAAGGTAGGAGATCAATTGGGCCAG
 GAGTCGGGATTAGCTGGCAACATAGAAAATGTAAGGAAATTAGTCACTGGGAGGATCAGGAACT
 GTCTCAGCTACTCAGGAGCTGGGAGGATCAGCTGGGAGGATCAGGAACTGGTGTGCTCTGTA
 GGATCATGCCACTGCACTCCAGGAGATGACAGACATGACCTGTGCTTAAAGGAAAATTAAAG
 TCTCAAAATTAGCCCTAAATTATCTGAAATAAATGACTAAAGGAGTACCACTGCTAACCTGTTG
 GTAGATGGCAGATTGACTATAACGAAATACAAAAGCAGTAGTGGCAGCTGGCAGGGCAACAGCTG
 TTACTGAGTTCTATTTGAGTGTCTTATACACATCCCTCATTCACATCATATAACCC
 AGGAAAGGCACTTAATTCTCTCTTAACTGAGCAAGAAGGCAACAGCTGAGGCTCAAGAAAATGTC
 CTGGAGGCCACACAATGGGAGGAGCAGAAGCAGTGAATAAGGAAACCCAAAGCAGCTCTGCTCAGGGCTGC
 AACTCAACCACTCCACACAGTGAGCTCTCTGAGAACCTCCAGATTGTGCAATAAGGGCTACAGACT
 CTGGAGAATATACTTCCCTCCAGATTATAAGGAAAAGTCAAACAAATGGCAAAAGTGGAAAAGGAGATT
 GACAGTGAACACCCATACCCACCACTGGGATGCTTACTAAGGTGGCTGTTTGTGACACATTACCCAT
 TTAGGTAAGCTGGTTTATGTTAGTATTTTAAAGGGTTAAATGGCTTAAACAGCAAAGTT
 CTAAATTATCTGAGAAAATCATTCTCATCAGAAAGACACTCATGGGAGCATGTCTGATAAATGGCCTACCAT
 GTGGAACATGCTTATGCTAAGTCAGCCCTAGTGAGGTGAGCTGAGATAAATGTAAGGTGCGC
 AGAGAATTGAGAAGGAAAGGCCAGGTTGATGTTTGCAATTGCTCAGTTGTAACATCTTAACTGCCCC
 TCTGAAACCTCTGGCTTAACTGGGATCTTAAATGGGCCAGAGGAGCTGGCTCACACCTATAATCC
 AGCACTGGAAAGGCCAAACAGGAGTGGGATCACTTGGAGTCAAGGAGTTGAGGCTCAGGAGTTGAG
 GGTGAACACCCCTCTCTACTAAACAAACAAATAAAATTAGCCAGGTGTTGAGTGTGGCTATAATCCAG
 CTATGGGAGGCTGAGGAGGAGATCAGTGAACCCAGGAGGAGGAGATTGAGCTGAGGCAACATGCCA
 CCACTGCACTCCAGGCTGGGACACAGAGTAAGGCTCGTCTCAAAATAAAATAACAAATAAA
 AAAATAAAATGAGGAAAATAAAACAAACAAAGTGCATAACTTTTAAAGTGGGCTTAAATGCTTGGGAA
 TAATGCTCAATTCACTAAATGAGGAAAGCTATAGTTAATGGCAGTATATTGCAAGCAGTATACA
 TATGTGAGTTTGTGATAAAATCTTAAAGTGTGTTATCTTAAATTAGTGAATAGCTGAATTAGGAACCTTAA

FIGURE 1 (continued)

FIGURE 1 (continued)

GACTACATGTCTGCCACCAGCCCCAGCTAATTTTTGATTTTTAGAGACGGGTTTACCGTGT
 TAGCGAGCATGGTCTCGACCTCGACCTGACACAGCCTCCGGCTCCCAAAGTCTGGGATTAC
 AAGCTCAGCCACCGCACCTGGCCTCCCCCTCACTTATTTTCTAATCACACAGAAATAGCC
 CACTCTAGTCAGATATTATCACCTCTAAAGTAAAGCATTAATTGTTCTTCTCAAGCTCAGAGGTGATT
 GTGATATAAATACAAAGGCCATGAAAGTAAAGAGACTTCTAGAGATCATATATTCTAACCTCACCTTGC
 CATGATTTTACCTTAAGTACCACTACAGGTGTTAGATGCCCTATACTCTGAAGATCTCCAACATAG
 GGAGCTTGGCACTTATGACACTAGAAAGATGTTGAATCTCTGTAGTAAGCACCACAAACAA
 AACCTTCTATAAAGTTTATTTGCTAAATTGTTCTCTCAATAGAGTTGAGGACTTACTATGTC
 CTAGGCACTGGGATAACAGGATTTTGAAAGATGCTAGCTGGCCCTATACTCAAGAACAGCTCAGTC
 TGTGGTGTGTTAAAGCTTACCCACAGGGCTCTGGCCTCCACTGATGCTGGATTTCTCG
 CCTACCTGAAGTTGGTAAACCAATCACAAAGCTGAAACATGTCACCTCCAGGGGAAAGTTCTG
 GAAAGTATAGGCTTGTCTCACTATTATTCCTGCTGCACTGGTTATGTTCCAGATGCCGCTCACT
 CTATCAGCTGACTCTAAAGAACAACTAGTGCACCTGATACATGCACTGATGAAAGAAATTA
 ACCTTGTCACTTAAAGCTTGTGGAGTTTGTGGATCTGTTACTGCAGCCATCTCACTGATACAG
 AGTCTGAAGACAGACAAACAAAATCATCAGCAAAATGTCAACAAAGTCATCAACAAAATGATCAACACC
 AATCAGACAAATAAGCTGAGTTGTAGTGTAGGAAAGCTGACCAAAAGTCTGTGGAGCATAGGAAAGACTT
 CTACCCACCTCTCTCCGGGAAACTGGGCTTAAGGCTCATAGAGGAGGTTGGTGTAGAGCT
 CGAAGGATGAATAAATCTGCCAAGTAGATAAGTGTAGAAAAGAGTGTGCTAGACAAAGGGAACACTTA
 TACAAAAACGTTAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG
 GTACAAATCTGAATGTGTTAGATTCTCTAGACCTACTACAGCCAAAGCTTGGGAGCCTACTTAC
 TTGACAGGGACCTTCAAAGCCTATCTAACTTATATCTTAAATTCTTAAATTCTAGATTTTTCT
 TAGGAGGTCCCCTTACTAAATGTCAGTTCAAGTCCACAAAGCTGATGCTGTGATGGATCAGGGTCA
 GGAATAGGGAGTGTATCTAGGTATACAAACAGATATTGACTTCTTATATGATACTGTTTTTGTG
 TTTTGTGTTTGTGTTCTGGTGTGTTGTGTTGTGAGGAGCAGTCTTACTCTACCCAGGCTGG
 GTGCACTGTTACATCAGGCCACTCTGCAGCTCCAGACTCAAGTCACTGATCTCCCGCTCAGCC
 TCCCAAGTAGCCAGTATTACAGATCGTGCACCAGTCCCAGCTATTCTTGTAGAGATGAGGTTT
 CGCATGTTGCCAGGCTGATCTGAACTCTGGCAACTCTGGACCTTACAGTGGACCCACCCGCTTACCTCCAAAAGTG
 CTGGGATTACAGGCTACAGGCCACTGTGCCAGGCCACACATTCTTCAATTGAAAACAGTATTCTTGG
 AAAAAAGAATCATGTTCTCAAAGTCTCTTCTCCCTAAACCAATACTCTCACTGTTCTGACTTTGT
 GTGACTGTTGACAGGACTCAGGACACTCCACACTCTGTTCTCTGTTCTTCTGTTCTTCTG
 CTTCTCAACAGTGCATCTAAATCTAAATCTTCACTTCCAGATGAGTGTGAGCTTACTACCTCC
 TTAACACTTACTGTCTATTTAATCTTCAAAAGTCTTACCCAAAGTGCACATTTTAA
 TGTGAGATTCTCTGAAAATATGTCATCACTCTCTGGATTAACTTCAACAGCACCAGGACTTGTACCAA
 AATAACATACCTCTGTTCTCAATTAGTTTGCGAATTGTGAGGAAACAGTTGAGGAGAAAAGATAG
 TCAATTCAAAACAAATGTCTTACTAAATGCTTCTTCTGTCAGGACATGCCAGAAATGTTGAGGAA
 AAAAAATAGATAAAATCTGCTGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGGCTCTGG
 AAATAAGGAAATGAAATTATGTGTCAGGACAAAAGTGGAGAAAAGCATAGCAGTGAAGGCTGAAGAA
 ATGTGAGATTCTCTGCAAGGGGTGAGAGACTGCAATTAGTACAGTGTGAGGAGACTCAGGAAATG
 TGACACTGGAGGCAATACTCGAGGTGTGAGGTGAGGCTACTGGGTTAAAGTGGAGGAGCACA
 ACAGGCATCAGCTGGTGCACAGGCTTGAGGTGAGAATGTGCTGACATGTTCAAGAACAGCAAGGAG
 CCAGCAGACTGGCGCGGGTGTAGTAGAGAGACAGTGTAGTAGAGACAGGCTAAAGAGGCTGTGGTAGGG
 GCAGGGAGGGATTCATGCACTGCACTGCCATGATCTGAGTCTCTGTAATGGGAGTGCACAGAG
 GGCTTGTGAGCAGAGGTTGGCTCATCCGACACGTGCTCTGGAGCATGGCTCTGCTGCTGCT
 CAGACTGAGGAAACACAGTGGAGAGACTGGGAAACTTGTGAGCATCAACTCTAGGCTGAGGAG
 CAGCATGGACAGGATGTTAGAGATGAGGTTAGAGAAGACTGGGTTAGGAGGAGGAGGAG
 AAGCCGAAAAGACTTCTAAAGGAATGGATAGGAGGAGTGTGAAACATGTAGCACGGGAACTCAAGGATGA
 CTCCAGATTTTGATCTAAAGCAACTGAGGAGATGTTGCTGCCATCAACCAAGGATAGGTTTAAACCTGG
 AAGCTTGTGAAAAGCAAAAGCAATCTGCTGCTAAAAGTGGAGGCTTCTCCAGGGGAAAAGACT
 GGATGAAACTGGTTGGTCAAGACTGTTGTAGGAATTAATGGTCAAGACTGCTAATGAGCAAGGCT
 GTGAGTGGCAATGTGCTCAATGAAAGACTCTGCTGTTGGGCAAAAGTGTGCTCAATCTACAGGAAAC
 TACAGAAATGGGGTTGGGGAGGCTGGGACCAAACTTAGGGTATTATAAGAGGCAAGTAGTTGAGAAT

FIGURE 1 (continued)

TGCACTCTGAGGTGAGACAGGGCTTCAAAGTTAACATGTTACTTTAAATGTAATTGCACTTAA
 AATGTTGTCAGTACTAAGTAATTACTTTAAATTTAAACATTAACAGTAAAGAAATTGTT
 TGGATGTTGTTTACTCTGAGATTACATTGTTTAAATGAAATTTCAGTGGCCAGATA
 GTTACAGCTGAATACCTGCAAGCTGGTGAACCTACTGAAATTCTCAAGATTTGTTAAAAAA
 AAAAAGAAAGAAAGAAAGAAAATCTCTGCACTGGTCAAGTGTGATAAGATGTTCTTACCTC
 TTCCAGGCTTAGTCTGATTGATTTCTCAATGGCTCACTACAAAGTCCAGCAAGATCTTACACA
 CAAGAAAAAAAGAAAGAAAGAAAATCTCTGCACTGGTCAAGTGTGATAAGATGTTCTTACCTC
 TCACCTTTGAAAGGCTTGAACATTTGAAATATACTCTGAGTTGGCAAGGGTTGAGAAATAG
 GCACTCTCATACACTCTGAGTGAATTGTAAGACTCTTAAAGAAACTATTAAACAAGAAC
 AAATATAAAAGCTTCTCTGCACTCAGGATCTGGCCTAGGAAGGCAAGCTGTGATACTCTG
 CACATCTGTAATGCTAATCTGTAATGTTACTACAGCTGTAATGGCAAAAGGACTGAAATAA
 CCTAACTCATCAACAGGAGATAATCAAATCAATTATGGCACACTTACATACTGGATAACACATTG
 TGAAAAAGAACAGGGAGGCTTCTGCTGTGATGGATAACCTCAAGCTATCTGAGTATGTTA
 AGTTTAAAGAACAGCACAGATAAAAATTATACCTGAGAAATACCTCGAGAAAATATGAGAA
 ACTAATAATGTTGCCCCCTGGCAGGGGAAGAGGGAGATGTTGAGGGAAAGCTTTCCCTGTA
 CCCTTTAAATCTGAAACATGTTAATGTCATGTTACCTTAAACAAAGTAAATTGAAATAATAC
 ATAAGTGGAAAATGTTAGCTATTTCCAAACATGTTGTTACAAATAACAGTGGAAAGTGA
 GAAGCTAAATGCTCAGAGTGGAGCTTCTCAGAGTGTAACTGGTCAAAATACCAAGTGTCT
 TTACATTCAAACTTCTAATAGCTACAGATGGCTTGTGTAACCTCTGAGGGTCTGAGCAC
 TTCACTAAAATATATATTATATTGCTTGCCTGGCCATAAGGCCATAGTCAAAATAACTTA
 GAGATATCCAAATACAAAACAAAATAATAAAATAAAAGAACACAAAACAAAAAAACCCAAA
 TGGAGGAGTGGCAACTATATGAGCTTCCAACTCTTCTTAAATTTAAATTCCTGAGCAATCTGTTATC
 CAGTCTCAACTGAGTATCTCCAAATGTTGGAGCTAATTATCATTTATGCAAACTTAAAGGCC
 TTCTCTAGTTGGAGCTTCCGGCTTGGAGCTTGGATTTGAGTAACTTCTTGGCAAAATCAACTCTTAACTACA
 TGAGGCTCAACTCTCTTCTTATATACAGCTTTCACACAGTGAAGATCATTCTCTTGTGTTAT
 TACTCTGAGCTAATGTCCTGAAATTGCAACATTCTCTCTATACATTCTAATTGTCCTGATTCT
 CACAAAATGTCGAATTAGAAGTCAACAGGATTGAGCTTGGAGCTAAGGCAACAGGAAACACTTAAAG
 AGCTGTTTCTCATCTTACATGACTAACACCAAAACTGAGCTAGATACAACTGTTTCT
 TCCCTCTCAGAGGAGGACTTGGAGTGAAGTGGACCTGGAGCTGGAGCAAAACACTCTGAAATTAAAG
 AGGATTAGGATTCTTCTCATCACAGGGCTTGGATACAGTTCTCAGACACTCATTTAACTTCAACCA
 GAGGACTCTGAGCTATCTCCCTTGGCTTGGAAATCTACCTCTTAAAGAAGGAATGTTAGACTT
 TCTCTGAAACATCTCTAAATGTTGGGGGCTCCCCAAATCAGGCTGAATTATCTTCTACAG
 CATCTCAATTGTTCTTCTATACATTAACATTATGTTCTGAGTATTCATCTGATTCTTCTGCTT
 ATTTCTTCACTTGGCTAGGCTGAAGCTGTAAGTAAAGTCAAGGCTTATATCCACTTTCCGTA
 GCATATAGCACAATGCTGAGCTAAATTAACATGTTTCACTGAGTGAATGGTGAATACAG
 TAAAGGAGTAAAGACTTAAACATCAGACAGGCTTCAACTCTGGACTGTGTTCTGGCAAAATGAC
 TTAAAGTCTCACAATCATTCTCTCATGGTAAAGGAGCTTAAATACCTACCTCATAGACCTGAC
 ATGACATTGGTGAATTGAGAGTACACAAAATGTTGAGCTGCTGATATACAGGAAACACT
 CAAATAATCATGTTACTGAGCTACTGCTACTGTTCAATTACACCAACATCCACTAGGGCTGGCC
 ACTGAAAGGATGACAATTAACTGTAACAGCTAGGGTACATCAGCTGTTTACCCAGCCTACCTTCTT
 TTTTAAAGGTTGATAAAAACACATAAAATCTGTTTCACTGTTTAAACCATTTGTTTCTT
 GAGATGGAGTCTCAGCTCTGCTCAGGGTGGAGTCACTGAGCTGGTGAATCTGACTCAGTCACTG
 CCTCCAGGCTCAAGGCTCTCTACCTCAGGCTCTGAGTGAAGTGGGATTATAGGCACCTACAC
 GCAGGGCTAATTGTTGACTTTAGAGACAGGGTTGGCTCATGTTGGCCAGGCTGGTCTGGA
 TGACCTCAGGCTGATCAGCTGGCTTGGCTTGGCTTGGCTTGGGATTAACAGGCTGTA
 GACTGCTGAGCTTAAACCTTCAAGGCTGAGGAGTCACTGAGCTGTTGAGCTTGTGAC
 GCCAGAAACTTAACTCTGCAAAAGATGCAAAATACATACACATGTTCTGAGCTTCT
 TTCCCCCAGCCCCCTGGCAACTACCATACTACTTCTAAGAGTTGAGCTACTTGTGTT
 GAAGTTATACAGTGGAGCTAGGGAGCTTACAGGAGTAAAGGCAAGCTGTTTCTCAGTCT
 CACTAAATACATACCCAGAAACTGAGCTAGTCAAAAAGTACTTACCTTGGGCTGGGGCGGTGCTCA
 CACCTGTAATCCCACTTGGGGGGCGAGGGGGTGGATCATGAGGTCAAGGAGATGAAACCAATT

FIGURE 1 (continued)

GGCTAACATGGTGAACCCCCATCTCTACTAAAAATAACAAAAAATTAGCCGGCGTGCTGGCAATGGCAT
 GAACCGGGAGGTGGAGGTTGCACTAAACTGAGATCGGCCACTGAACTCAGCCTGGGTGACAGGGCAA
 TACTCTTAAACAAAGAATTCTTCTATTAAAGCTAAATTTCTCTTAAAGCTAAAGTAAATCTCCATGATATGTATA
 TCACTTATTTTATTCACATTCTCACTGATGGACATTAGTGGTTCTTCCCCCCTCTGGTTATTTGTGAAT
 AATGCTGCACTGAATATTGGGTGCAAAATATCTCTTGGGTCTTATTTTATTCCTGGGTATACAC
 TTTTCTGTAACTCTCCACATCTATGATGCTGGAGACAGCAGAAATCAGGAGTCATCA
 TCGCTTACCTTGTGATCTGTCATCAAAATCTCTCTCACTGCTACTCCCTAGTCCTTCTGCA
 TAACCTCTGGTCTCTTAACTTCAAGGTCAAATTAAAATTATTTACTCTGCA
 AAGGGAGGAAGCTATTATACCTTCTTCTGTTGGAAAGACTCTAGGTTCTCATCCAGAGA
 AGGGACTCTGGCCCAAGCTGAGCAGAATGAGCTGAGGACTCAGGGTCTAAAGCCCTGGAAACATAG
 AGGGCTATGGCTTACACTTAGTCGGCCCAAGGAGCTTCTAAATGTTCTTATGAGTACTGTTTG
 ATGATGTTAATATTTCATCAGGAAGTATCAGTTCCTTGACAGGTAAAGTAAAGCTTACTGGGT
 TGATCAGCCTTATCATACAGCCGGAGATATTCTGCAAAATCCCTCAACTTATGCTGGCCAACTA
 ATGGGCAACTGGATTGCTCAATAAGATTCTGTTTCTCCAGAGCTCTCATTTTCACTATTGTC
 CTGGGTGGGGGAGCAGAAACAGAGATGTTGACGCCAAATGGAAGATGATTGGAGGCTTCTGAGA
 TACTGTTCTGTCAGGAAACCTTCTAGGATCAAGGCTAGGAGCAGAAGGAAAGGAGGAAAGTCTC
 AGTACCTGAGCCTTCTCTAAACGCAATAAAGGCAATCTAAATCTGAAATGAGTGGCTGT
 GATGTTGCAAAATATAAACTCCAACAACATTATTTATCAGGAATGAGTACATATATCTCCATTGCGAT
 CTCAAGCCTTCTCTGCAATATGAGTGGTGTGATGAGTACACTCAGGATGATACACTCAGGAG
 AGTACTGGGAAGACTTAACTTCTGGCAGAATGTTGATATTCTCTGAGATCAG
 GACGCTTAAACTCAGAAAGTCTTAAAGGCTTCTGAGTGTCAATATCTGAGAATGACATCTAAAGAA
 CTGATGTAATGTTGTCGCTTAACTGAAATTGTTGTTTATATGTTGTTTAAACAAAGGACTG
 CTTAAATGTTACATATTGTTGTTTATATGTTGTTGTTTATGTTTAAACAAAGGACTG
 ACTTGGACAAAGAAAATTCTACTGCAAGTATCAGTGTGTTACTGGAGACACCACTTAACTCAT
 AAAATAGAAAAGATCCTCTAACTGGCCTCTCCCTCCCTCCCATGCCAGACTGCCCTGTC
 CACTTAACTCTTGTCTCATCAATCTTGGTGATTCAGGCCATTCTCTCTCTCTGCG
 CAAACCACTTGGCACAAGGATCATGGCTCTTCTACTCTTCAAGGCTCAAAACACTCAGG
 ACCCAAGGAAGTAAAGGCCACACCTCTAAACCTCTCCTAAAGGAGCAAACTCATGCCAGGACTTG
 CAATCTCTCTACCCAAAGAGATTCCAACATCACCCTTGCCAGGCCACTGCTTCAAAATC
 CATTACTTCCAACTGGCATTGATCTCTGAGGTTTAAAAACTACATGCAAAATTCTGGTCTGGT
 ACCCTGGCCTACTCCTCCAAAACGAAACGAAATAAAATATGCTTGGGTTCTAAACAAAACATCAGACTGGA
 TGGCTTAAACAAACGAAATGTTTACAGTCTTCTGAGGCTTGGGAGTCCAAAGTGAAGGTGTTG
 CATATTCACTGTTGTTGAGGGCTACTCTCTCATGACAGACAACTCCCTACTGCTCATGGAGA
 AGGGACCCGGAGTGTCTGGGTTCTTTTAAAGGCAACTGTTCTTCACTGAGAGCTTCTCCAGT
 GACCTAAATTCTCTCAACTGCTTCACTCTCAAGACATCATTAGGTTAAATTTCAACAGTGA
 ATTTAGGAGATACTTCACTGCACTGACCATACATCCAGATTCTCAAGCATACTTATTTTCTCTAG
 TTCTCTTCTGGTAGGGACTTTAGAAATTTGTTAAATACACATAACATAAAATTACATCTTAA
 TCTCTTCTGGTAGGGACTTTAGAAATTTGTTAAATACACATAACATAAAATTACATCTTAA
 CATTCTTCTGGAGGAGTTCAGTAGGTTAAAGTAAACACAGTCACATTGGTACACCCATCATCACC
 ATCTGCTTCCAGAACTCTTCTGCTTAAAGGCAACTGTTCTTCACTTACCTTACCCATTAAACAAATCTCC
 TGCCACCCCTGACTCTGACAACTACCATCTGTTCTGCTCTGAGATTGCTACTCTAGGTT
 TTACATAAGTGGACTCATATGTTGCTTCTTCACTGATCAAACTTAACTGATCAAACTTACGATAATCTCTA
 AGTTCTCCATTATATGTCAGGAACTTCTCTTCACTGAGGTTGAAATAATACCCCTGTGATATA
 TACAACATTATTCATCATCTCATGAAACACTTGGGTGCTTCTACCTTCTGCTTAAATGTAATGTT
 GCTATGAAACATGGACATACAACTCTTGTGAGTCCCTACTTCAACTCTCTGGTAACCCAGAAGT
 GAATGCTTAACTCATGTTGATCTTAAATTCTCTGAGGAACTGGCATACTGTTCTCCATACAG
 CTGACCATTTTACATCTCCACCAACAGTGCACTGAGTCTCCAAAGAGTCTCCACATTCTGCAATATC
 TGTTTATCTTCTTCTCTGAGGTTGAGCTGGCATCTAAATGGGTTGAGGGCTGTTACACTGTTGGTT
 GATTGTTATGCTTAACTTATTTAAACCTGAGTTTAAATGCTTATTCTTCTGTTATCTCTTCTG
 AATAATGTCATTCAAGCTTGTGACCATTTAACTCAGGTTGCTGGGGTTTTGCTGTTTGTG

FIGURE 1 (continued)

GTTGTAGAAATTCTCTATGTTCTAGATATTACCCCTTATTAGATATAATGGTTGCAAGTGTCAAGAA
 GCTTTCTCTCTGTCTTCTCTAAACGATTTATAGTTAGATCTTTGTTAGGTCTTCGATTCATT
 TGAGTTAACCTTATATATATGGTGTAGGTAGGATCCAACCTCTATTTTCCATTAGATAGCCAGTT
 TTCTCAGCAGCATTGTTGAAAAGACTGTCCTATTCCCTTAAAGGCTTGGCATCTGTAACAAATC
 ATTGACCTTATGTTGAGGATTGTTCTGCTCCTCATTCTACTCCATTGCTATATGCTCTTCAATT
 AACAAATTTTAATTTAAATAGATGTTGAAATAATTTGCTATATTGGGTTAAATATTTCTTAGAT
 TTTTTTAACTTACTGTTCAATGTTGCCATTAGGACACTTACAGTATTGGCTCTATGTTGTTG
 TGGACAGCACTGCCATGTCAGCTGAGCAGCTGGGCCACGGGAGCTGTTGAGGACAACTGATCAG
 GGATAGATGATCCTGAAAGCTCTCTCTCTGTGTTATCATTTAGTACTTGGGAGCAGGATAT
 CACTGTTGAGAATGGCTCTGACTCAGGAAGTCCAGGTTTCAAGACCTGCCCTGCAACAC
 GCACCCACTAGCCATAGTACTCATGTTAGTACTGAGTATCTGAAATGTTGCTTAATGTAATTGAGATG
 ACTGTTAAATGTTAAACACGACCAAGTTCAGGACACTTACCAAAAGTAAATATCTGTTAA
 ACTTTTATATCAATTATGTTAAAATTAGTATTCTGATAAAATTGGTTAAATAAATGTTATTTA
 AAATTAAATTGACTGTTGTTCTTAGTAGGCTATTAGTACTGAACTGACAGAAACTGACCAAGAAG
 GTAGATATTCCCATATACCCAACTGGGCCACACATGCACTAGGCTACTCCATTACACATCCCC
 AGAAATGGTACATTGTTACACATGTCATCTACACTGACACATATTACACAAAGTCCACAGTTA
 CATTAGATTCACTTGGTGTACATCTATGGGTTGGCAAAATTATAATGATATGTTATCTACAAATAT
 TATAATATCATACAAATAGTTCTACTGCTTAAACATCTGTGCTCTGCTCATCTCCCTCC
 TCCCTAACCTCTGCAACACTGTCATTTACTGCTCTATGTTTGCCTTCAAGATGTCATATAG
 TTGGAATCATACAGGATGTAGCTCTTGGATTGGCTTCACTTAGTAAATGCTTAAATCTCC
 CCCATGCTTATTTTGTACTGTTAATTGCTTAAATGTTGCTCTGAAACATTTTAA
 TGACATATGCACTCCATTGTGTTCTGTCACATTCTCAGCTGGCATGGGAGTTTCTCAGCA
 TGGCATCTCCCTGTCTTCCAGTCACAGTCACCCGCTGGTGTACTTGGCTGCAACCTAAACA
 CACCGCCCTTGGCTTCACACATACTAGAGTCTCTTCAAGTTCTTAAACCCCTCCCTCACC
 TGAAGACTAAATCTGTCAGACCCAAATTCACATTGACATCTTACTGTAAGGCTTCAAACTTCACT
 CTGCTTAAATCTTGTATAGCACATCTCCATTAAATTTTTGTATGTTGCTCTGCTTCTCAG
 ATTGTAATCTTGTGAAATTGGCCCATGTTGTTCACTTTGGTCTCAATTCTTACTGACAGGCT
 GACACATGGTAGGCAATCAGAGATGTTAAGTAAATAATGAAATAATGAGGAAATTAAACATATCTC
 TAATAAGGATAACATATTCACTTAACTGAACTTGTGAAAGGCTTAAACGGCTAAACAGGG
 TGTAATTCTCATGCAACAGCTTAAATTCTACAAAGCTTAAATTGTTATTCAGTCACAGCAACACA
 TTAATCAATAATTATTAAAGTATACACATGTTAAAGGATGTTAAAGCACCTCTAATGGTTATGATA
 GTGATTGCTGAGTGTGAAACTGAGTGTGAAACTAGTCTGGAAACTAGATGTTAAAACAACCACTTCTCAG
 TAGACCTGAGCAGCCAGACCCCAAAATGAGGCTGAGTAAAGCAGCTTGAAGTTTCTCAAGG
 AGCCACCAAGATGATAAAAGGGTTGAAATGAGATTATGGTAATGGGCAACAGAAACGAACTT
 TGCTTAGGGCAAGGAAAGGGCCAGGGTGTACTTAACCATCTCCTACATTGTTTACACAGAGAA
 TGATGACAGGATGTCCTTCAATTCTCAGAGGAAAGAATATTGAAATGACTTACGCTGAGCATAAAA
 AAAAAGGTTAAAGGTTAGTTTAAACAAAGAATCTCAAGGTTAAAGAAGTACTGATACAGGAAACGAGCTG
 GGGGATGTTGTTGAGTGTGCTGAACTCATGTTGTTAGTGTGGGAAAGCAGCAAGTGGTAGGGTTG
 TTCAGGTCTCAACAGTCCTTGTGAGGGCAAATTCTCACTGGCTAGTCTCAATGAAATCAGCTAGC
 ATACACACAGGGCTGAGGAAACTGAGGATATGAAATTTGAAACACAGCACCCCTGGGTACATAGCT
 GTCTCTTAATCTAGGAAAATTCTCTTTTTGAGACGGAGTCTCGCTGTCGCCAGGGTGGAGTGC
 AGTGGCGCAATCTGGCTCATTCAGCAAGTCGGCTCCCGGGTTCAAGCCATTCTCTGCTCAGCCCTCC
 GCGGGGACTAAGGGCCGCCAACACTCGCCCGGCTAATTGTTGTTAGTAACTGAGAGACGGGTTCA
 CCGTTTACGGCATGATGTCGATCTCTGACCTGTGATCCCCCGCTGGCTCCCAAATGCTGG
 GATTACAGGCTGAGGCCAACAGGCCGGCTGAAATTCTCATGTTGATGTTGATCTGCTCAATGAA
 GCTCCAAACCATGACAGAGTCAAGGAAACTTACACAGGCTGTTAGGTTGCTTAACTCTACAT
 CCATTTTACGACACTCTGGCATTTCTCCCTTGTACCAAGGGCTGTTAGGTTGCTTAACTACAA
 GCAACCTCAACTCTGCTTAACTGCAACTTGTGATTCTTCCCAATCACCCTTGTGAAATGCTGAAATCAGCT
 CTGATACAATGCTGGCAGCATGACATGTCAGACATGATAACATCTGCCAGATAATGTAATT
 TTGGCTTGTGTTGAGTACATTACATATAAAAGTAAAGGAAACACCTAAATGGGGTTGTCCTTAGAC
 ATTCTCTCTGCTATGTTGTTGATACACCCCTTCTACTGATCTGTCCTGCCAAATCCAGCCGGC

FIGURE 1 (continued)

ACTTTTACATCCTCTAGGCTTATGCTGCAAAACCTTCTAATATCCTTTAAGTACAAAAGACATTG
 ATAGGCTAAAGTTGAGACCAATCAAGAATCTTTCAGCCTCTCAGTATCTTACCCATCTTG
 TTGCGAGATGGAACTTCATTCACATGACACACATCTCCATGTGACTCACCATGCTAAGCAACT
 GGATGTCAGGCTAGGTAATAAACATGCGCTGTGAGATTGAGCTGAGGGAAACATGGATA
 GATACGGGTGAAATAGATCAGCTGAAGCATGAGTTGAAGGCTCAAGGCTACATGCCAAGAACAGAGGA
 AAAAGGCAATGGAGAGACCGGACAAGAACTATCAGGACATCAGAACAGAACCTACATCCTGTGAGACAG
 GACTATGCTAAGGAAACAGCTTAAAGGATGAAAGAGTGTCCGACTAGCTGAGGGAAACATGGATA
 CATCTCTAGGCAATAGCTTCAAGACATGTCACCTTGAAGAATGGGAGCATGTCACACTGCTCCA
 GTCCAAAAGGCTCTTGAAGAGACATGAAAATCCACCTGAGAACACTCACCCCTGAGATTGACATAG
 CACAGACCTAAATGGCAACAAACAGCAACAAAACAAAAGCAGTACGACTAGCTGACTGAGGG
 CGAGACAGGGCTGGAGTGAAGGCTCTGACTAAAGGCTTGGAGGAATTCTCTGATACCCCTCTTG
 TGCCCCCTCCCCAGCACATCTAACAGCCTCACTCGGGCCAACTTCCCTGTGCACTGGTGGCACTGCA
 TTGCAATTGTTGGTAAAGGATCTCCCCCACAAGGCTGGGCTGAGGCAAGAGTCTACCTTTTATI
 ACTACGCTCTGACACTCAGCACATTAAGAACAGAACAAATTGAGTACTGAAGCTAAGTAAATTGTT
 ATATGTGATAGGTTTGAAGGGCAGAACCTTGACCTATGATCCAAAATACCTTGTCTATCTAGT
 TCACCTGTTTGTCTCTCGAACGACCATCTACCTTACCTTGTGTTGATGTTTCTATCTCC
 ATTTCATACATAAAACCACTCTACCTCTAACATCAGGGAAAGGCAAGGAGATATCTCTGCTCAAGTT
 AAGAGTGCCTATGCTAAAGTGAACAAACAGGCAAAAGGTAACAGGGAAACTGCTCTGAGCAC
 TCAGAAGAATTGAGATTACTGCTCGGAGGGAAAAGGGAACAGGCAACCCGATTACAGTGTAAAAATA
 GGTCACTGCTGAATACAGCCCTTGGTACTGGCTGCAAGGCCCTTTGCTTGTACTCCAGTGTAC
 AAGAAGTGGCAGCATAGTCTTGAATAAGGGCTCACAGCCAGCTGGCTGGCCAGGCCCTTCTG
 TGGCATTCTAGAACGACATGCGAGGCAAGGCACTTACTGGGGACTCTAGTAAAGCTTGTACTGCTGA
 CATGAAAATACAAGAGTTGGTAAAGTTCTTGGTTTGTGAACAAACTGGCAGATAGTTCAAGGTTGT
 CCTGTAATCTCTACTCTGACTGCTGAGCTACTGGTGTGTTGATGTCACACATGGCTGGGGGTG
 TCACCTACCTCCATGCCAACCCAGCAGGCCCTTCTCATGAGGACAGTATAATTGAAATTATT
 GTAATGCTGACTCTGAGCAACTCTGGGTGTGTTGATGTCACACATGGCTGGGGGTG
 GTGCCCCAAATGTTGGCTATGGCAACACAAACAAAACAAAACAAAACAAAACGGCTGTGATA
 GCTAAAACATGGCAAGAAAAGGAGATTTCAGGAAATAGAAAACATGTTTATATCTGATACTAAAGCTGG
 AGAGACAAATAAAAAGGAGATTTCAGGAAATAGAAAACATGTTTATATCTGATACTAAAGCTGG
 AAATACTGGCAACCCGAATTCAGCAGCACATCAAAAGCTTATCCATGAGACATGCAAAATCTCT
 TAGGATGCAAGGCTGTTCAACATATGCAAAATCTAAATAATGATCATATACAGAACCCAGAC
 AAAACCCATGATTCTCAATAGTCAGGAAAGGCTTGTGCAACCTAACAGGCCCTTAATGCTAA
 AAACCTCAAAATTTAGGTATTGAGTGGGAGCTGTCTCAAAATGAGTAAAGAGTATCTGACACCCAC
 AGCAATATCATGAAATGGCAAAACTGGAGCATTCCCTTGAAGACTGGCACAGAACAGGAATGCC
 CTCTCACCCTCTTACTCAACATGAGTGGAGACTCTGGCCAGGGCAATCAGGGCAGGAAGGAAAT
 AAAGGGTATTCAATTGAGGAAAGGAGGACTCAATTGCTCTGTTGAGATGACATGATGTTATCTA
 GAAAACCCATCTCAGCCAAAATCTCTTAAGCTGATAGCAGAACCTAACAGAACAAACAGAG
 AAATCAATGTCAAAATCAAGGCTTGTGCAACCTAACAGAACAAACAGAG
 TGAACCTCCATTCAATTGCTCAAGAGAAATAAAACTCTAGGAAATCCAACCTAACAGGGAGTGTGAG
 GACCTCTCAAGGAGAATCTACAGGACACTGCTCAATGAAATAAAAGGAGTACAAAACAAAATGGAGAAC
 TTGCGATGCTCATGGTAGGAGAATCAATCTGCTGATGAGGCTTACTGTGCAAGGTTATTCAGATT
 CAATGCCACCCCATCAAGGCTTACCATGACTCTTCTCACAGAACATGGAAAAAAACTACTTTAAAGGTCTA
 TGGAAACCAAAAAGGCCCCGATTGCCAAGTCAATCTAAGGCAAAAGAACAAAGCTGGGAGGACATGCT
 ACCTGACTCTCAACTATACAGAACGGCTTACAGTAAACAAAACAGCATGGTACTGGTACCTAACAAAGAGAT
 GTAGGACATGGACAGAACAGGGCCTCAGAAATAATGCCACATATCTACAAACCATGTCATCTGACA
 AACCTGACAAAAACAGGAAATGGGGAAAGGATTCCCTTATTTAATAACGGTGTGGGAAAGGGCTGAC
 CATAATGAGGAAAGCTGAAACTGGATCTCTTCTTACACCTTATACAAAATAATTCAACGATGATTAAA
 GACTAAATGTTAGAGCTGAAAGCATAAAAACCTCTAGAGAAAACCTAGGCAATACCTTCTGGAGACATAG
 GCTATGGCAAGGGCTTCTGCTTAAACACAAAAGGCAATGGCAACAAAGGCAAAATGGGAAATGGG
 TCTAATTGAGGAGCTTCTACAGAACAGAACAAACTCATGAGTGAACAGGCAACCTACAGAGTAA
 GAAAATTGGCAATCTACCCATCTGACAAAGGCTTATATCCAGAACGAACTCCACAAACAAATT

FIGURE 1 (continued)

TACAAGAAAAAAACACCCCATCAACAAAGTGGCAAAGGATATGAACAGACACTTCAAAAGAACAT
 TTATGCAGCAAAGACACATGAAAGGATCTCATCACTGCTATCAGAACATCAAATCAAAC
 ACAATGAGATACCATCTCACACCGTTAGAATGCCATATTAAAAGTCAGGAAACACAGGTCTAGA
 GAGGATCTGAAAGATAGGAACACTTTTACACTGTGGGGACTGTAAGACTGTTAACCCATTGTGAA
 GTCACTGTGGGATTCCTCAGGGATCTAGAACAGAAATGCCATTGACCCGCCATTCATTGCGGACT
 ATATACCCAAAGGATTAAACATGCTGCTATAAGAACATGCACTATGTCATGTTATTGCGGACTAT
 TCAACATAACAAAGACTGGAAACACCCAAATCTCAACAAAGATGACTGGATTAAAGAACAT
 CATATAACCATGAAACTATGCAACATGAAATATGATGATTCTATGCTCTTGTAAAGGACATAGATG
 AACCTGAAACCATTCAGCAACATTCGCAAGGACAAAACACCGCATGTTCTACTCA
 TAGTGGGAAATTGAAACATGAGAACACACAGACACAGGAGGGGACATCACCAGGGCTGTGTTG
 GGGTAGGGAGCTGGGGAGGATAGCATTAGGAGATATACTTAAATGAAAGGCTAAAGGGTGC
 GCACACCAACATGCCACATGTATATGTAACAAACCTGCACTGTGGCTCACATGACCTAAACTTAAAGT
 ATAATTTAAAGGATTTAAATAAAGGAAATATGTTTATAACAAACAGCATATTATAATGGCGG
 TGATCAATATTATAACACAGGTTCTAGAGGGCTCTCTGGTAGGATAATTCTAAGAACAGGTTCC
 AGATGCACTTACATACTCCCTTAAACACAGGCCCTGGCTTACACAGTATCTGTTGACATGTCCT
 TCTCTCAATGAACTTAAAGATCTTCTGGAGTAAAGGGTTCAGTGTGCAACCTGAGCTAACATG
 ATGTGACACAGTGAGCACTTAAATACATGAGTTCTAGCTTCACTGGCTTGCTACTACCAA
 AAACCGGCTCACTTAAAGCACTTCCATCAACACCCAAATTGTGGTGCATGGGAATGAACTTCA
 TTGGGCTCTGTATTAAAGCACTTAAACCATTTGTTGCAATTATGTCGAACATGATG
 GGATCTGAAAGTTAAATGAAGCTTACATAGGCATCCTAAATTAAATTAGAATTATATCTCAACT
 ATTCTAACAGAGTTGAGAACAGACTAACAGAACAGGAAACACGGGTTAAACAGGAGACTAACAGGG
 AAAAGGAGGAGGAGCAGGGAGTGAAGGGCTGGAGAACAGGAAGGAAAGGAAAGGAGGGAGCAGGG
 GTGGAAACATCTAAGCAAGAGCTTCTCTCAAGTCAGTCAAAATTCTGCAAAACACATCTTTT
 GGCAAAATTCTACATGATGCTCTAACATCTGCTCTGGTAAAATGAGGATAAAACCTAACATTCA
 GTATTTTAGTTTATCTACAAACAGATAATTGAAATTATGAAATTATTAACAT
 ATATAGGCAAGAACATTCTCTACTTGGGAAATATGCTCAACATAAATCTTCTTGGCAAAATAG
 AGCCCTTCAACACCTGTTCCCAATCTCAAGGCAGGGCTGGTGTGCACTGGAAATCATAAACA
 CACAAACATCAAGGAAATGTTCTTAAAGCACCATTGGATTCTAGATGCAAGTAAGAACCTAATT
 GAAAGGGCTTACATAAAGGTTGGTGTGGCACTGCAATGGAAAGGTTAGGGCTTCAAGTTGAG
 TTGAGTCAGTTGCTCTATGATGAAACACGGGCTTCTCTCTCTCTGGAGTCAGTGGCATGTCGG
 TTTGGGAGACGGAGCTTGTCTGTGCCCCAGGGCTGGAGTCAGTGGCATGTCGGCTACTGCAAG
 CTCGCCCTGCTGGTCAAGGCCATCTCCCTGCCCTCCGGAGTGGCTTATAGGGCCCCACC
 ACCATGCCCGCTAATTCTTCTTGTATTCTTGTAGAAACGGGTTTCACTGTTAGGCAAGG
 GCTCTGGTCTCTGACCTGTGATCCGCCGCTCGGCCCTCCAAAGTGTGGATTACAGGGTGG
 CACCGTCTGGGCAATAGGGCTTATCTTCTTACTCTGCTCAACACACATCTAGGGTGTAGCT
 CCGCTGACAGCAAGGTAATCTCCAGCAGGCCAACTGTCCTAGGCTTCACTGCAAGAACAGAGA
 GAGGGCGTCTGGGGAGGTCTATGAGAACACTGAAGGCCCTTCTCCCAAAGTCTCAGGACATGCT
 GGTGGCCATGCCAGGTACATGCCAGGCCATGACAAACCTTGTGGCATGACTGCCACTGGGTTAATCAC
 TGTGCAACAGGTGGGTTTACCTGACTGGGTTAAACATCAAGATCCATCTGGAGCTGGGGTGG
 GACCAATCTTCTCTACCAAGAACAGAACAAACATTCCCTGTGTTCTATGGAAAGGACTGGGGAGGG
 AGGGAGAACAGACATTGTGAGAACAGGAAATTAAGATGCTCCACCCCTTCACTGAGCTAAATTG
 ACCCTGTGATTCCAGTATCAAGGAAATATGAAATGTATTAAAGTGCACATTTTATGTTAA
 CAAAGACAAATGTTTATCTTATAACAGGATAAATCTTGTGAAAGGAAACCCAAAGGAGAACATGCTT
 GGAACATGTTAAAGGAAATAGGTAAGGAGGGCTTGTGGAAAGATGCACTAACACTCAATAG
 GCCATCTTCTTCTTCTTGTGAGACAGTCTTGTCTGTGGCCAGGCTGGAGGGAGTGGGCCATCT
 TGGCTCACTGCAACCTCTGCTCCAGGTTAACGCAATTCTCTGCTCAGGCCCTCAAGTGTGG
 TGCATGTGCTGACGCCACATGCCAGGTTAATTGTTGTTTTAGTAGAGATGGGGTTTCCAGTGT
 TGGCCAGGCTGGTCAACAGGCCATCTACATGGATCCCTCAGAAGGCAAGGATGGACAGTAATCAT
 ATCAATTAACCTGAGAACAGTACTAACATCTAGAACCCCTTTTAAATGTTTATTGTTGAG
 ATGCAACTTACTGCAACAGGAGTAGTAACTCACATCTAGAACCCCTTTTAAATGTTTATTGTTGAG
 TACATGGTAGGTATATATTTAGGGTTACATGAGATTTTGTACAGGCACTGTCAGCATAATAATAC

FIGURE 1 (continued)

ACATCAGGGTAATGAGGAATTCATGCCCTCAAGTATTTCTTGAATTATACTGTTATTGAAATG
 TAGGATTATTTCTACAAATAGTCACCCCTGTCGTCGCAAATACTAGGTCTTATTCATTTTGATC
 CCACGAACCATCCTTATTCCCCCCGTCACTCACCCACTACCCCTCCAGCCCTCGTAACCATCCTT
 CTACTCTGTATCTGCAATGTTCAATTCTTTAATTTAGGTTCTGGCAAACAAACTAGGAACTGAGA
 GAAAGATCTCATTCTTGTATCGGTGAATAGTACTTCATTGTGATATGTAACAGTTCTTATC
 CATTGATCTGTTGAGGGACATAGGTTCTGGCAAATCTGGTGTATTGGAATAGTGTCAAAATAAC
 ATAAGTATGAGATATCTCTGATATACTAATTTCTTTGGGGTATATACCCAGCAGTGGGATGGC
 TGGATTGATGATGCTTATTTTGTAGGAACTCCAACTGTTCTCCACAGTGGGAAATTA
 CATTCCCGAACAGTGTCAAGGTTGCTCCCTTCTCCATACCTCACCGAGCTTGTACTATGCT
 GCTTTGGATAAAGGGTCAATTAACTGGGTGAGGTGATAATGCTCTGTAGTTGATTTGCAATT
 TGATAAATGATGCTGAGCACTTTTCTCATGCCCTTGGCCATTGTTATGCTCTGTGAGAAATGTC
 CAAATCCCTGCAATTAAATGGGATTAGATTAGATTTCATGAGTTGTTGAGCTTGT
 ATTCTGATTATAATCTTGTCAAGAAGGGTAGTTGCAAATATTCTCCATATTGTTGGCTTGT
 TCACATTGTTAATGTTCTGGCTTGTGAGGAACTTAACTGTTGATGTTGATTGCTTGT
 TGCTTGGTGGCTGTGCTTGTCAAGGTTACTTCAGAAAGTATCTTGCCTACCTGTTCTGGT
 TGTCGTTTATGCAAATATCATGCTTTGGTTACTAACTCTGTGATAATTGAGTTAGGT
 AATGTTGATCTCTGTTGTTCTTGTCTGAGTGGTTTCTGGGTTGTGTTGTTG
 AATAAAATTGTTGAAATTGTTCTCATTTCTGTAAGAATGTCATTATTTGAGAGATGTC
 TGACTCTGAGATTGCTTGGGTAGTGAACATTAAACATATTCTCCATCCATGAATTAGA
 CCCCTTATGATCATTTATAAAAGTAAGCTGACACTTAACTGAGCTTGTAGGTTTAA
 TTACTGTCATTATCAGTATTCTCTGAGTGTGTCATGTTGTCATGTCACCTGTCATTAT
 TCAAAATTTAAATATTGAGTGTCACTAGATGCTCAGCTCTAAAGAGCAGGGTACAAAGGGGAAAGT
 TCAAAACTATAGTGTCTGCCCTCAAGAAGTAAACAACTACTACCCATCACTGGATAAAATTAT
 AGGATGTCAGGACTGTCTTACATTATTTCTCATTTATGTCATCTCACAATACCCATGAGCT
 AAATACTCAATTGATTTCCAAATTGGGAAACCAAGGCTTAAGTGTCAACTGTTGACTCAGTCAC
 AAGCAGCAGGAAACAGGAAATTCAAGGCACTGTTACCTTCAAAAGCTAGATCTTCAACCAAG
 CACATCTGGCTGACAAGAAAACACAAACATCCATTAAAGGTGAGGAGTAAAGAGTATATTACAGTG
 AGAGCTAAGCTCTGGATATGGGAAAGTGTCAAGGTTCAAGGAAATCCTAAAGGTTGAGGAG
 AGCCACATACACAGCTGTTAGCTTGTGAAACCTGTGAAACTCTGATGCCAACTGTC
 TCTGCTGCCCTGACCCATGATCTACTAGTGTACTATGTTTACCTGACAGAATGGAAACCAAT
 GAGCTTGGACAGGCTTAAGCCTTCAAAAGTTCTCAAGGTTGAACTGGCTTCTCTGAGTGT
 GACAGACTTCTATTCTGTTCTGACATTAAGGCAATTATGGGAGGATTGAAATCTCTGGCAAATAC
 TAGATGACTTCAATTGTTAATTAAGTGTATTATAACCCATCCCTAAAGGCAATTGCAATT
 GTCTTGGCCACAGGATCAACTGCTCAACTGTTCTTGTGGTGGAAAAGCTAAATGCTTATAATGT
 CTAAAATTTGTAATTACCTCTCTCTGCTGCTGCTCTCATGACCTGAGGCTTCAACTGGAT
 GTGTTGTCCTCTCATGCTCAGCAGTCCCTTACAAAGCAGCAGCAGACTCTGGTACCCGTCGGCA
 GACCTCCCAACCTTCAGGGTATGCTTCTAGGTCTCCAGTGCTCCAGAGAGGGGAAATACTCTTAT
 AAAATAATGGGGACTGAGGGCATATGGGATTCTCCCTTGTCTCATGAAATTAGGAGAAAGCACA
 CTTCTAGTAATTCCACAGTGAATAGGATGTGCTACAGGCACTGAGCTTCTCTTCT
 AAGGATGTAATTACCTGACGTCGGCTTGGAAATTGAGATGCGCTTACAAAGGTAATAAGAAACAGTT
 CCATTCTCCCCATGAGCAATTATATTGAGGTCACTCTGAACTCTGAGGCTTCAAGGTTCT
 TCCATATTGAAATGACCAACTTGGAACAGGTTCTATGCTAAACATCTGACTCAACAGTCTTAGGAA
 ATGAGATATTATTCTGTCATTACCTATGTTGAAAGTAAATAAGCTAGGAAAGTTATATCTTGTCA
 GAGCTGGACAATTATAGTTGGTACCCAGACTGAACTCTCTGACACTATGTTCTGGCTGACTCT
 TGCACTGACTCCGGTAGTGTGCTGAGGTTGGGCTTATAATTATAAAACATACATGGGA
 TTCAATGGTCATCTCATATACTCAAGCTCTTACTCTACTCTCAAAAGGGAAAGAACATATCATGTTGAG
 GGGGCTTATAGAAGGCAATTGTTGAGTGTGCAATGAATGGACACAAGCAGTTGAGGAAACCTCTGAC
 GAGGATGTCACCTGACTGAGTGTGAGGATGAGGAAACCTAAAGGATGTTGAGGCACTCCACTGGGGAGGA
 GATGTTTGGAGTTCAAGCAGCTCTTAAACACAGATTGAGGAGCAGGCAAACACTAAGGGATTGCTGG
 ACCACCTCTTACATCAGGGTTCTCAATCTTTATTGACATTAGGGCTAGATAATCTATGTC
 TGG

FIGURE 1 (continued)

GGGCTGTCTGTAATTGAGGATATTAGTAACATCCCCTGACTAGATGCCCACTAGATCCCAGTAGAGC
 ACACGTGTCCTCCAGGTCTGACAACCAAAAAGTCTCAGACACTGCCAAATATCCCCTAGGGGACTAGCTT
 ATCCCTACTTGGAGAACCACTGGCTTGTGAGATGTCAGAACACTGGGATTGGCTAAATCGGAGGC
 TGGGAGGAGGTGAGAGCAAGAACAGGAAGCCATGAAACAGGAGATAGGAAAGGGGACAGATGTGACTCAAG
 TCCCTCTAGCAACTCCCTCAGGTATGGACTCTGACTACCTTAAAGCAACAGGAGGTCTAGGCACAGTGC
 TCACGCCCTGTAATCTTACACTTGGAGGCTGACCCAGGATCATTGAGCCACGGAGTCAACT
 AGCTTACGGCAATAGTAAGGCCCTGTATCTTTTAAACATATTAAAGAACAAATGG
 GGCAAAATAAGATCCATGAGGGCCCTTGTGATGAACTGTCAGTAGGACCTGATTGGAGTAGGACAT
 TTAAAGTGGAGGAGTGGATTCTAGACCCAGCCTTGTGAAACAGAAAAACCCCTACTCTTTCT
 TTGCTAAATCAAAGAACAGAACACCCAGGGGAATGCTTAATGAACTGATGATAAGGCTGAAT
 TCCCACCCCCATTGGAGGATTGGAGGAACCTGGATAAGGAAATAACTGATGTTGTTGCTG
 ACTGAGTGGCCATCTTACCTTCGCCCCATCTCTTCCCTCACCTCTCACCTTGGAGGTTGG
 CCCAGGAAACCAAAAGGAGTGGGACTACTTACTCAGGGGGGGAGGAAAGAAAAGGGAGTAG
 ATGAGGAGAATTCTGAGGTTTCAAAAGATATCTTGGAGCTTGTCAACAAAAGGACATGTTCCAGT
 AAAAGAAAACAGGTAAGCTGAGGCTGGGATGGGGTTGAGGAAGGGAGGGCTACAAGTAAAT
 GTTACAAAATGGCCACTGGTGTCAATTCTGGCAAGGCACATTGCACTGAGTCACCCCTAAATTTC
 ACAGCATGTAATACCTTATATGAACTGTTATAACAGCTCTTCTATAGAGGAAAGTGG
 TTCAAGGAGCATCTTACAGACTGAGGGACTCCAGCTGGCAGGGCTGTGTTGGAGACTCTTCCAT
 GCTGTGCTCTTACACTGAGCCACAGCCTCTGCTCATGCAAGCTGTAGCTGCTGCTGTG
 TTGCTGCTGAACTTATAGAGCAGGGCTTACATCTGTCAGGCTCTGTCGTTGAGTCTGACTC
 TAGTATTTCTTATGTGAGGCTACAGGCCACTGGGCAAGGGAGCAAGAGTAACTGAGGT
 GAAACAAAGGCCATGGAGGCGACTGGTGTGAAATTCTAGCAGCAACTAATGAGCACACCCAGTACATA
 ACTGCCCTCTCTGCTCTTCTATGCTCAGCAGCCACTAGGAAAGCAGGGCTGTCTTCTTCT
 TGCTATATATAATTCAACTGTTGGCAGGAAATGTGCTCACAGCTCAGGCTTACAGT
 TTAACTTTCTTAAACCTAGCAATTCTAAACAGTGTGACCAAAGATAATAACAGTAATTCTAA
 GATTGAGATACTTACCCACATTCTGCACTTTTCTACCTTGGAAAACACTCATTTCTGGTCCACT
 TTGAGAAGGCGCAAGGCAAAAGGGAAATGTGAGATGCTGAGGAGACAGCTTGCACATTCT
 TTACAGCCTTCAATGCTGGAAACCTTCAAGTCTTCAATTAACAGGAACTACTCTCCCTTGGTATCTAA
 CTAGAGAGCTGATCTTAAACCGAGAATATTCTGATATAGAGTAGGCCAGTTTGTCTTGGTTCT
 TGCATCTCTTCTGGACTCTAGCAAGATGATTCTCTTCTTGTAGCTAAAGCCTCTTCT
 GAGATAATCTTAAACAGGCTTCTGAGGACTTAAAGACACATTACTAAAAATTCTAACTTAA
 CAGTCTTAAAGGTTCTTAATTCTGAGGACTTAAAGACACATTACTAAAAATTCTAACTTAA
 TACAGACACACTTGTGAACTTAAATTACATTATTAACTACTCACTCACTCATCTTGTGCA
 ATTGTTGTTCTTCTCTTCAAAACCAATTCTCTTAAATGTTGAGACTTTAAACAAATAATGATATA
 TGATATTCTCATAGGTTAAATGGTTAAAGGAAAAAACCTCAGGGTTGGAAATACTAAATGTTGAG
 TTAATACTAACTAGGCCAGGCGCAGTGGCTCACCTGTAAATCCAGCACTTGGGAGGCTGAGG
 GTGGGACACCTTGAGGCTAGGAGTTAAAGCAGCTGCGCAACATGAGGAAACCCCTCTCTACTAA
 ATACAAAATTTAGCCAGGGCTGTGCACTGCTGTAACTCCCTACTCGGAAGGCCAAAGCAGGAGA
 ATCACTCGAACCCAGGAGGTGGAGGTGAGCTGAGCCAGACTGCACTACAGCTGAGGGAC
 AGAGCAAGGACTCATCTGAAAACAAAACAAAACAAAACAAAACAAAACAAAACAAA
 ATATTAGCAGTACTATGATTATAGACATGAACTCTTAAAGAGTATGTATGTTGCTGGGAGTGTG
 TCATGCTGTAATCTGGCACTATGGAGGCTAAGGTGGCAGATGCTGAGGCTAGGAGTTGAGACC
 AGCCTGGACACACATGGCAAAACCTTGTCTCAAAAATAACAAAATTAGATGGGCTTGTGGCTGCG
 CTGAGTGGCTGAGTGGCTGAGCTACTTGGGGGCTGAGCAGGAGGATTGCTGAACCCAGGGCTGAGG
 CTGAGTGGCTGAGCAGTGGCAGCTCAGCTTAACTGCAAGTACTGTCAGGCTGAGGCTTGTG
 AAAGACTTGCTTAATCTGGGAGCTGAGTTAACTGCAAGTACTGTCAGGCTGAGGCTTGTG
 AGAGTGGAGTGAACCTGGGTTCTAATCTGAGACTCAGCTACTCTCTAGTGTAGGCTATTGGG
 AAAGTATTGAGACCTTCCAAACCTCAGTCTCTTCTGCAATACTGAAATCATCTGAAAT
 GGCCCATATAAAATTAACAGATGATCTGTTGAGGATTTAAACAGGCAATTAGTGTGCTTAA
 GTGCTTTAAACAGGAGATTAAGTAGCATGTTGAGGTTTGTGCTCTTCTCTCCACTCCCC

FIGURE 1 (continued)

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FIGURE 1 (continued)

CAGCTATTGGGAGGCTAAAGCAGGAATATTGCTTGAGTCTAGAAGTTCACTTCTACCCCTGGGAAACATA
GCAAGACTCTGTCTTAAAAAAATTAAAAGGGGAAGGTAAAGGGACCTGAATGAAATCAG
GTTTCCACATTTCACTCAAAGTGGTAAAATACTGATC

FIGURE 2

MAGAASPANCAGCGPGAPSDEVLHLCRSLEVGTVMTLFYSKKSR
RPERKTEQVKLETQRQITWSRGADKIEGAIDIREIKEIRPGKTSR
DFDRYQEDPAFRPDQSHCFEVILYGMERFLKTLQLQATSEDEVN
WIKGLTWMEDTLOAPTPQTERWLKQFYSVDRNREDRISAKD
LKNHLSQVN; RVPNMRFLRERLTDLEQRSGDITYQGFA, LTKH
MSAQKTMDFLFFLEASTLRAGERPELCRVSLPEFOOTL, JG
LWAVDRLQVGEFMLSFLRDPLREIEEPYFFLDEFVTFL, KRN
VWNSQLDAVCFTDNNNPLSHYVSSSHNTYLTDGOFSSSESSLEA
YARCLRMGCRCTILEDWCDPDGMPVIYHGHTLTTKIKESDVLHT
IKEHAFVASEYPVILSIEDHCSIAQORRNAQYFKVKGDTLLTR
PVEISADGLFSPNQLRKRLIKHHKLAEGSAYEEVPTSMWIIISCI
DISNSIKNGILYLEDPVNHEWYPHYFVLTSSKIYSEETSSDQ
NEDEEEPKEVSSSTELHSNEKWFGKLGAGRGRHIAERLLTEY
CIETGAPDGSFLVRESETFVGDYTLSEWRNGKVQHCRISRQDA
GTPKFFLTNDLVFDSLVDLTHYQQVPLRCNEEFMRMLSEPVQOT
NAHESKEWYHASLTRAQAEHMLMRVPRDGAFLVRKRNREPNSYAI
SFRAEKGKIKHCRVQQEGQTVMGLNSEFDSLVDLISYYEKHPLYR
KMKLRLPINEALEKIGTAEPDYGALYEGRNPGFYVEANPMPTF
KCAVKALEFDYKAQREDELTIFKSAIIQNEVKQEGGWWRGDYGGK
KQLWEPNVYEEMVNPVALEPEREHLDENSPLCDLLRGVLDVPA
CQIAIRPEGKNNRLFVFSISMASVAHWSDLVAADSSQEELQDWVK
KIREVAQTAADARTEGKIMERKKIALELSELVYYCRPVFPDEE
KICTERACYRDSSSFETKAEKYVNKAKGKKFLQYNRLQLSRIY
PKGQRLOSSNYDPLPMWICGSQLVALNFOTPKPQMOMNQALEMT
GRHCGYVLQPSMRDEAFDPFDKSSLRGLEPCACISIEVGLARHL
PKNNGRIGIVCPFVEIEVAGAEYDSTKOKTEFVVONGLNPVWPAKP
FHFOISNPEFAFLRFVVYEEEDMFSQNFLAQATEPVKGLKTGYR
AVPLKNNYSEDELASLLIKIDIFPAKENGDLSPFSGTSLRERG
SDASGQLFHGRAREGSFESRYQQPFEDFRISOEHLADHFDSPEP
RAPRRTRVNGDNRL

FIGURE 3

FIGURE 3 (continued)

ATGAATGAAGAGCGGGGATTTACTGGATGAATGATGATTCAAGGTATCATTACTGTACCTTCTGCATTG
 AGCATAGAAAATAGAACAGAAAATTGATGGAAGCAAGGAATTATATGAGCTTCCCTCCAAAATT
 ACATCATATAAGTTGAAACTGGGTAAGATAACGAGGGACATTTCATGTTCAATGTTTAAAGTCTTAATT
 CATAATTGATGTTTCTTAAATGGCTCCTTAAATATAAGACTATATTTAGTGAAGGCAATAA
 TGTTTCTATTCCTTATTGATGATCTACAAAGGAAAACATTAAAGACTAATTCTTAATTCTTA
 CTTAATTCTTAAACTGATTTCAATGATGACTGTCTTCATGACATTAATGCTACAAAAGAAC
 GAAATTCTCCCAACAAATAAATAAATCAAAATTATTGCTTACAGACTTTGCTTACAGACTTTGCTCA
 GTTGTGTTATTATATAAATTCATTTCAACAAAATTGATGCTTACAGACTTTGCTTACAGACTTTGCTCA
 CATATTGACACTGATCCTCTGTGTTATTATCTTATGCAACTGACATGGTGCAGTGCAA
 CCATAGCTACTGACGCCCAAATCCTCCGGCTCAACCCATCTCTTACAGCACTTAAATATCTG
 GACTACAGGTGTCACCACTACCTGTGATGTTATATGATGATCATATATATATATGTTATAG
 TATATATATTATATATATTGCTTATATATAGCATTATATATATATATATATGTTATAG
 ATTCTATATATATATAGCATTATATATAATGCTTATGTTATAGCATTATATATAATGTTATCTA
 TTGATATAGCATTATATATAATGTTATCTTATGTTATAGCATTATATATAATGTTATCTA
 ATATAGCATTATATATAATGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTAT
 AGCATTATATATAATGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTA
 TTATATATAATGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTA
 ATATAATGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTA
 AATGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 TGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 TTGTTATCTTATGTTATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ATATTTTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ATATTTTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ACATATTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 ATATTTTATATATAGCATTATATATAATGTTATCTTATGTTATGTTATGTTATGTTA
 TATATATGTTATATATAATGTTATCTTATGTTATGTTATGTTATGTTATGTTATGTTA
 TAATGTTATCTTATGTTATGTTATGTTATGTTATGTTATGTTATGTTATGTTATGTTA
 GTTTCCTGGCTCATCTCAAGAAAACCCCCCCTCAATTCTCCAAATTGCTTACAG
 TTAGAGGTACAGGCCAAACTCTGGCTTGGCACATTCTTATTTGAGGTTAACCTTCCCTGG
 ATATTTGATTCTAACACAAGTCATTCTCTGATGTTTCTTCAGGAATTCTTCTGTTCTTC
 ACATTAACTGCTTCTTAAATTCTAGTTATCTTCAGGCCATTCTTATGAAAGATGAAATTG
 GTTCACAAAAGAACATGGAACTGACATTTCTTAAAGATAATCAGCTTAAATTG
 TTACAGGAGGTGACTTCTTAAAGATGACTTCTTAAACTGACATATAGCATTAG
 AGGAAAACATTGCTTAAAGAGTTGAAACATGCAATTCTGCTTCTCAATGAAATTCTGG
 GAATCTCTGGAAACAAAATGCTTAAGAGTACAGATTCTATGACAAGGCAATTCT
 ATTCTTAAACAAAATATGAGAGAGAAAAGAAAACAAATGCTTATCTTCAGCTTCA
 AGACTTATCTTCACTGACTTCTGCGGGGTAGGGCCAGAGTGGGGTTTAACTGAGT
 GATAATGAGCAGTTGTCACTACATAAAGTGTAAATAATATAAAATATTGAGATCT
 GTAAATCAAATATGCTTCTGCTTCTGATTTATGAGACCTTCTCCCTCTTCT
 CCTTTCCGCTCTCTTCTCATACACTGCGAAATGATCTGAGGAAAAGAC
 CCTTACAGTGAACCTGAACATATTGTCAGTGTGAGGAGTCCACCAACCTTC
 CTTGTGTTATGTCATGCACTTAAAGTCAATTCTTCTTAACTGAGGAACTT
 CCCTTGGAAATCTGAAATACAAAATAAAAGCAGGAAGACTTCTGAGGAG
 ATAAAAGGCAATTCTCAAAATAAGAAAAGAAAAGGAAAGTCAAAATTATCT
 TATCCCCAGAAAACCCCAAGACACTGCAAAAGTCTCTGTTAACTTAA
 CAAATCAATGAAACAAAATCAGTAGTATTCTATACACCAATAACATT
 AATGCAATTCTGAGGAAATCTGAGGAAACACTGCTGAGAATCTACCA
 AGGTGAAACATCTTACAGGAACCAAAAACACTGCTGAGAATCTACAGA
 AGTACATAACAAAATGAGGAAATCTGAGGAAACACTGCTGAGAATCTACAGA

FIGURE 3 (continued)

ATTCATGCTCATGGTTAGAAGAATCAATATTGTAAAATGGCCAATCTGCCGAAAGCAATCTGAAGA
 TTCAATGTTATCCAGTCACCTACCCATGCTACTTTACAGAACTGGAAAGAAGCTATTGTAATTC
 TATGAACCAAAAAAGAACCCCCAAATGCAAAGCAATGCTAAACAAAAGAACAGCTGAAGGCATCATT
 TTACCCATCTTCAAACTGTAAGGCTACAGTAACCAAAACAGCATGGTACTGTGAGCAGAAAACAGG
 CACATAGGACAATGGAACAGAACAGAGAACCCAGAAAATAAGGTGACACCTACAGGCCATCTGATCTTT
 ACAAAAGTCACAAACAAAGCAATGGAAAGAGCTCTTAACTCATAAATGGTGTGGACAGCTAGCT
 GCCCTATGCGAGAAATGAAATGACTCCCTACCCATACACAAAATAACTCAAGATGGTAA
 TATTAAACATGAAATCTCAAACTATGCGACCACTGCACTCCAGACTGGGGCACAGAGCGTACTCCGTC
 TCAAAAAAAAGAAAAAAAGAAAAAAATTCAGAAGAAAACCTAGTAAACACCCCTCTGGACGTTGGCT
 TGGAAATTAATTGACTAAGTCTCAAAAGCACTGAAACAAAATAATTAAACAGTGAACCTTA
 ATTAACAAAGGACTCTTCAACCAAAAGAACCTAACAGAGAAAAGGAGCAACAGTACAGAGTGGCA
 GAAAATTCACAAAGATTACATCAGCAAGGCTTAATTCAGAATTATCAGGAATTAACTTAAACATTC
 AACAGGAAACCCATGCGAATTTAGCAGAAAACCTGAGCAAGATGCTTCTAACAGAACAGACA
 CAAGGGGCCAAAATGAGAAAATGTCAACATCAGTCACTAGTCAAGAGAAAAGCAATTCACAA
 AATGAGATTACATCTCACAGCAGTCAGAATGGCTTACTAAAGTCACAAAACATAGTGTGGTGA
 GACTCGAGAAAAGGGGAAAGGGAGGCTTATCACCGGTTGAAGAAGATGTAATTAGTGTACGCCATTG
 TGGAAAGCAGTTAGGATTCTCACAGGAGTTAGAAGATTATTCACACCCAGAAAATCCCTTACTGGGT
 ATATTTAAAGAAAATAATTCTACCATAAAGACAAACATGCACTTGTATGTTATGCACT
 TTCAACATGCAACGACATGGATCAACCTGGTGGCCCTGAGTGGGTTGGGATAAAGGAAATGGTGT
 GTGATATATATGAGAACTATGCAACCCATAAAAAGAATGAGATCATATCTTCTGGCTAACATGGAT
 GCAGCTGGAGGCCATTCTCAAGAAAATAACAGAGGAAACAGGAACATAAATACCACTGTTCTTACTT
 ATAAGTGGAGCTAACATGGGTACTATAGACATAAAGATGCCAACATAGAACACTGGAACTACTAGA
 TGGGGAGAGGGCTGAAAACAACTTATTGAGTACTATGCTAGTACCTGGGTGATAAAATCAATTGT
 ACTCCAAGTCTCAGCATCACACATACTCATGTAATGCCCTGCACATGTACTCCAAAATCTAAAT
 AAAAGTGGAAATTATTTTAAATTAAAATAAAATAAAATAAAATTTAGAATATTATTTTACTCT
 CTAGTCTCTCAATTACTTTGTATTTAGAAGACTGGTTGTATGGTGTGGGATCACAGCTG
 TGATCCCAGACTTGGAGGCCAACGGTGGTGTGACCTTAAAGTCAAGAATTCAAGGCCCTGGCC
 AACATGGTAAACCCGCTCTACTAAAGAAAATCCAGGCGTACTGGCACATGCCCTGTGATT
 CCAGCTACTCAGGGCTGAGCGAGAAAGACTCTGAACCTGGAGGGGGTGTGACTGAGCTGAGA
 TTGCACTCAGCTACTTATCTGGCCAAGAGCAGCAGACTCCATCTAAACAAACNAACAAAACAAA
 AAAAGACTGGTTGTTCTTATCTTGTGACTGGGAGTCTGGGATCACCTTCTGGGATCACCTTCCC
 GAAACAAAAGAATACTCTGAAATAAAGTTCTAGTCTTGGCTGTAGTGTACTGGTGAAGAATGGTACAG
 CAAGAAGGTTTACTGGCATCTTAAACACTGATGCTACTCTACTACTCTAAGAAAATTTAACTAGGGA
 ACCTGAGGTACTGGCATCTTGGCAAAAGGGAAAATGGCAACTTGGACTTACAGGAGATGGATGAATC
 CTGACATTAACAACTTCAAAACACTACACACTATCACAGCTTGTGACTGAGAACATGTAACACTAA
 GGCAATCAATTGGACGGGGATATGTAACAGGGGTATGCCACTGGTCTCTGGGACAAAACAGCA
 TCATGTTATAAGACTGCTATGGCTCAGCCCTGTAGCTCCAGACTTGGAGGGGGAGGGGGGGATC
 ACGAGGTGGAGGACTGAGACATCTGGCTGAGCATGGGAAACCCCTCTTAAATAAAATCAAACAAA
 AAAAATAGCGGGGTTGTGAGGGGGCTGTAGTCCAGCTACTCAGGGGTGAGGGCAGAGAAT
 GGGCTGAACCTGGAGGAGCTGAGTCAGTGAGCCGAGATCGGCCACTGCACTCCAGCTGGGCGACA
 GAGGGAGACTCCGGCTCAAAAGAAAAGAGCTTGTGACTTGGGACTTGTGAGGAAAGAGCTGT
 TTGACACTGTGTTGGGACTGAAACTTACAGTGTATGAGGGTTCACAGCCCTCTCCCTATGCACTATG
 ATTGAAACAGCAATGGTGTGGTGTAGGCATCTTCAAGACATTATGACTTCCCTTACAAAAAATAT
 ACGAAAGGATGAGCTGAGATTAAAGGAAAGGACATCAAGAGATTTGTGAAGGGAAATGGCT
 TGTGATATGTGGGATGTCACAGGGCATGGAGGGAGAGCTGCAAGGAACCAAGGTGTTGAGGGCTG
 TAGATGAGGACATGTGATAAGCAGGGAATAAAAGGCCCTGGAGGGTTGAGGTTAACAGAGATA
 AGAAGGATCCAGCTGGTTAGTACAATTGGCTGTGACTAAGCTTGTGAGCTTCACTGTTGAGT
 AAAAGCTTAAATTGTTTCAACCTAGCTTCTCCAAATATTATGACTCTTACAGCTTAAACATT
 CCAGTTGAGGTAAACACATGGCTTAAATTATTTAAAAGGGATAATGTATTTAAATGGACATCA
 AAGCAAGGACTTTCAGAGACTGGTTTAACTGAGCACCTTCTCTCCAAACCCCCATATACTGCTCAT
 CTGGTCCCCTACTCCAACTTAAATGGCTTAAAGGTTATGATCCAAAGGTCTTCAACACTC
 CCCAACTCAGTGTGACACTTCACTTAACTCTTATATACATGGGAAATTTAAAGCTTAAAGACTCC
 CATTGAGAGAGGAGGAGGAAAGAACCTTACTCTGCAATTGGTTAAAGGTAGCTTTTAAACATTGAG

FIGURE 3 (continued)

CTTCAACATTGATCATGGCCTTACGTATTAGTCATTCTCACGGCTGCTATAAAAGAACTGCCTGAGACTG
 TGTAAATTATAAAAGGAAAGAGGTTTAACTGACTCAGTTTACAGGGATGGAGAGGCCCTCAGGAAACTT
 ACAATCATGGTGAAGGGGAAGGAAACAGCTCTTTCACATGAGCGGGAAAGGAAGTGCCTGGAGTA
 AAGCCGAGAAAGCCCCCTTAAACACCATCAGATCTCAGAGAACACTCACTATTATGAGAACAGCTGAGGG
 TAACCGCCCATGATTCAACCCTCCACAGGTCTCTCACAAACATGTTGGGATTATCAATTCAAG
 ATGAGATTGG
 ACCCTTTCTCATTCTGTGAATTTTGGTTCTCACCAGGACTAAACATGCTGCTCTATAAACTGTA
 AATACTCACCTTAAACATTAATGATGACACAGAAAAGAGGGTGTGAGTGAAATAATGGATGCTGA
 AGGTTAACCTTATGTGAGTTGAAACATCAGCAAACTTGGGCACTCTAAAGAAAGTATTCTTAAAGCT
 TATTATTAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 ACATTCACTGTTAAACTATATCAATGCTAGAGTCTAAATCTCAGCTCTACAAAGATGTTGACTTTGGGA
 AATCACTTAACTGGCTCTCAGCTGCTCAAGGGAGATAAGGGAGACTGAGCTGACCTCTGAGCTTATTTGG
 AATTGGAGATGATATTCTCTCAGACTGTTCTAACTGCTAACTTGAATTGTAATAATCTGG
 CATGAGCTTAAAGTATTATATGGGCAAGGATTACTCCAGAGGAGAAGAGCTGAGAACATACCATGG
 GAAAATTTGAG
 CATAAGGACAAATTGAGTTCTCAGGACAAACAGGAAAGGGATTTGGCACCGAGAACATCTGGGGAA
 TAGGCTGCTAAAATGGTAACTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 GACACTTCAATAATGAAACACTGTCGACAAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GGCAGCTATGAGAACGGGGATCATGAGGAGCTGGGGAAACAAACCCCTAAGAATTCTCATAGATAAGAATA
 GAAGAACCTTGAAGAATGGCCTGTTCCCATGGACACATGAGATAAGAAAGGGCATATAGATAGGTA
 ACCTATTGATGTTCTCAGCTGAGGACTGGATGAATCACGGTCTCAAGTGAATAACACTAACAGCA
 CAAAGCTGGTGATAGTAGGTCTCAATAAATATTGTTCTTCCCTGAAAGACAGACCTT
 AATTAGACATCTCGAAAGAGATTTCTCAACTTCTGATCCTCTGGATACCTTCACTTCACTTCACTT
 ACCTCAGCATGATGTTAGGGCTCAAAGAATCTCTCATGTAAGAGTCTGTAATTAGGATACAGGGGA
 GAGCTCAGCATCTGAAAAGGACTGAGCACCTGCTATTGTCAGTTGTTTTATCTCTAGGCCCTG
 CAATATCAAAAGCACCAGTACAAATTAAAGATGCAAAAACCTGGCTGGTTCAAAAGTCTGTT
 CGTTAGAAATCTGGCTGCTATTCTGAAATTGAACTCTCAGAAGCACATCCTGTAATTAGTGC
 ATGATTCTTCTTCTTCTGAAATGTTCTGCTCTCTTCTTACTTACTGATGCGAACATTGGGTTATGGAGAG
 AAAAATATGCTCAGGCTGCTTCAATTCTGCTTCAACTCTCTACTGAGGACTGTTCTGAGAACG
 TCAACCTTTAATTAGATGAGGCTCAATTATTGTTGGAAAGATTGAACTGGTCTGAGGG
 AGTCAACAGCTGGCTCTACTGTAATTAAAGATGCTCAAAATAAGACTCAGGGACTAACAGAACGG
 TGGCTCAGCATCAGAAGGGTTAAATTCTGATGAAATTTCAGAAGAAAGTGGCTTCTGGAAACATT
 CATCCCAGTCATAGTTCACTGATAAAGCAGCAGCAAGTGTAGGGTTATCAAACACAGCTTGA
 ACTCTAGGACTCTGGCTCTGGCTCTCTGGTTACTGATGCTCTTACTAGAACATTATTAG
 GGTCTCTGGTAACCTTGGCTCTGATAAACTCTCTACTGGAGCTGTGGCTATAAGGAGGAGGCC
 GAGGCTGGGAAGTTGAGGGGAATACCTGAGAAAACCTTATGCTATTATGCTAACCCACAGACTG
 TGAATTGGGAAATGGCTGAAGGAAATTGTCCTGGCGCAATGCTGAGCTGGCTGACACCT
 TTGG
 CCATCTCTACTAAAATACAAAAAAATTAGCCAGGCACTGGTGCACATGCTGCAATGCTGACTCTGG
 AGGCTGGAGGACAAAGAATTGCAACGGCTGGTGCACATGCTGCAATGCTGACTCTGG
 ACTCCAGGCTGGATGAGGAGTGAAGACTCTACCTCAAAA
 AAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 TGTCTCTATTGTTACCTTGTGTTTACCTTCCAGTGTCTCTCATGTAAGTCCAGATTCTCATTGTT
 CTCTCTCTGCTTGTGCTGGGCTCTCTTCACTTCTGTTACTGTTAGGCTCAGCTGGTGTAAATT
 ATTGTTGTTGTTGCTGAAAACCTCAAAACAGAAATATGGAAATGACAGACCAACACTGAGCAGAAA
 ATTGAAATTAAAGGCAATTGGGAGGAAAGTAAATGGCATGACCTTGTGACAATTTCATAAAATCA
 ATTGTTAAGGTCCTCATTGAGCTAACATAAAACAAATCTGCTTGTGACCCATATACTGCTTAA
 CCAAAAGGGCTTATCTGAAAGTAGTTCTGGGTTAAAGAATGTTAAACAAAGAGAACACTT
 TCAAAAGAAGAACACTGATGATGAAACAGGAAACACTGATGTTTATCTGAAAGCAGGCTTGTAA
 TACTA
 TGGCCCCAGTCCACAGAAATCAACTCGGGCTCATGTCACCTTCCAGTGAACCTTCAAGACTGAGGCTT
 CAGTTCTTAAACAAACATCACATCACATGACATGACATGTTGTCACACATGCTCACACACAC
 TAGGCGAATAATTGTTAATGGCTTGTCTGAGGCTTGTGTTGAGATCCCCAGAAGGAAA
 ATCAATTCTTCTGTTGCTAACTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 TCTTACTTTAAAGGCTGACCTACATGGCTTAAACATTCCCTCAGCTGGCTAACTTGTGAGCAGGTT

FIGURE 3 (continued)

TGTCTCTAACTATAGTCCCTGACCTCTTTTTTCTAGAACATTGCTTGTAGAAAATGCTGT
 AAGTCTTCTGCCCCTTGAGAAAATAATCTGATGTGGGACATCCCTTGAATGTGATCATAAA
 GATAGTACCCCTATCTCCAGTCTGTGAAAGTCAGAACCTAACTTCATGACATCAGCAAA
 CACAGATGGCTAATCACACTGACCCCTGCCTTACTATCTCTGCTTCACTAGCTACCT
 CAGGGATTACAAGCTCTGCCTTGTTCAGCTGAGTTCATCTCTCCATTGCAATA
 GTCTGAAATAAGTGAATAGTCTCTGCCATTTCACAAGTATCCAGTGCATTTCTCACT
 AGCCCATACATGATTTCTGAGAAAAGATAATGTAACCTGCAAGTACCTGACAGTTCT
 TCCATTCTTGAAGAAATCAGCAATTAAATGAGAAAATGAGAACATAATTAAAGTCT
 TCAGGTACTTATCTAGATTCTGCTGTCTGAACTCTGACTACTCTGTAAAGTACATAAGAAGACT
 TAAATCACACACTAGTCCCTAGAGTGTAGGTTATAATTGTAGGTTATAGAACGTTAGAGGACCT
 AGATGTTATTAACTCAGAACTCAAGGCCAAAGTCATCTCAGAGATTTTTGCTCATTAACATG
 TTGAAGTGAAGAAAGGAGGATTGAAATGCTCTGGGGACCTGGGAGAAGGAGAAATG
 CCTATTCTTCTATACTGGCTCTCCAGACCATTTACCGCTTCTTCTTATCCATGAAACCTTGG
 GGGTTGTTATGCTTAAACCTCATTAACTTTAAATGAGTTATGCTCACGGAGTAAAATATT
 TGCTCCAGTCTTGAATAGAGTAAACTGAACTTCTGAGAAGTCCAGTGCACACTTCTCAACCT
 TGATTGGATATCAGAAATCACCTGAAGAGCCTTAAAATATCACACCTGAGACTTACCCACGATTC
 TAAGTACACGGCTTGGATGGGGCTTGCATGGCAATTGGCAATTCCCGTGTGCACTAACGAAACCCAT
 TGACAACATATTACAGACTGCTTGGAGATTCTGTTCTCAGAATGTAGAGTGGGAAAGTGTCTC
 AATAAAATAATTCTTCTTAAATTTGCAATTCTTCTACTTAACTAGTACTAAAGGATTTAAACATCTA
 ATGATTTTTAAAGAATTCTATGCCAATAAGTTCAGTTAGATAAAATTGACAATTCTCCAAAAACAA
 TATCAAAACATCACAAAATTGTGAATATGAAATACCTCTCATTAATAAAAGAATTGAAATTCTTCT
 AAACGCTTATGTGTGTCAGACGACCATAAACACCCATACGTCTATAAAACTATACATCTGGAAA
 ATAATAAAATCCTAATTATGTGTTTAAAAAATGATCTCCACTAACATAAGAGGGAACTTCTAA
 ACGTGATAAAAGTCTTAAATATTGCAAGGCTTCTCTGTTCTGAGTACTGGGAAAGGAAACCCAA
 TGTTACCTACATGCATCTGAGGTTCAATAAGCAGTGGGAGATTCTTCTGTTCTGTTCTGTT
 GCAGTTTGCCTTTTATGGCAAAACATCACAACTTCTGCTCATCACCTGAACTTGGAAACCCAG
 TAAGGCAAAATAAAACTGCTCAATAGCTTATATAAAACAAACTTAAAGACTTTTTTT
 GAGCAGAGTCTGCCTGTGCCAGGCTGGAGTGCAGTGGCACATCTCCGCTACTGCAAGCTCCG
 CTCCAGGTTACGCCATTCTCCGCTGCCTGGGAGCTGGGACTACAGGGCCACCCACG
 CCTGGCTATTCTTGTATTCTTGTAGAGACGGGTTTACCGCTGTTAGCCAGGATGGCCAGCTCC
 TGACCTCTGATGCCACCTCGGCCCTCCAAAGGGCTGGGATTACAGACGTGACCCATCGGCCAGC
 CAAAAGCTATAAAAGATTCTAAAGGAAATATTGAAATGTTGTTGTTATACAGCAAGAAACAA
 ATGAAATTCTTGAACACTTCTAAAGTATTAAATAACTAAATGTAAGGAAATAACCTTAAAGGAA
 GCAAGGCTTATGTAGGAACCTATGAAATGTGCTCAAGATAAAAGGAAATTGTGATAGAGATT
 TATCAAGCTTATGCTTAAACACTCAATGTAATCTGCTTATGTAATACGTCTCTCTACACTG
 AGCTATAGGGTCAAGGAATTCTAACCAATCCAAATTAGAGAGTGAATTGACAAGTGGATTATAACAT
 TTATGATGAAATTCTAAAGGCCAAAGATATTGACACCTTGTGATGACCTTAAAGGAAAGATGCTAAGATT
 CTAGGTTATGACATCTTATAAAACTACAGTAAAGATATTGCAATATTAGCTATAAGGATAAGGAA
 TATGCCCATGGAGGAAGATAAGAGTTGAAATATTATGATGCTATATAACATTATAATTAAATAGG
 TGGCATTGACACGCCATGGGATAATTGTTGCTTAAAGTCTGGGACATTGGTATGCTACAG
 GAAAAATAATGAAGCTAAACCTTATCACACTTATCAAAACTCCAAATTGAGATTGAGGAAATA
 TGTGAAAAGCAATCAAAATGTTCTTAGAAAATAATGCCAGAGAATTCTCATGAAATTAGGATAAG
 GGCAGTTTATTATAATTGAAATGCAAGGACATCATGAGCACATTAAAGGAAAGGAAATCTGCT
 ATCAAATAATGACATCAAGAACGTGAAAGGCCACATCACAAAGATAAAAGATTTGCTAAATAT
 GTCCAGCAAAAGATTAGTGGGTGCCAGGGTCAAGAAACCTTCTGTTAAAGGCCAGATAGTAAAT
 TCAGACTTGCAGGCCATCACGCTCTGCTCAACTAACTTAAAGTCTGCCCTTGTAGCTGGAACTAGTG
 TGGCTGAGTTTAAATACACTGCTTACCCAAATATGCAAACTGAGATTGGCCCATAGTCCAGAGTT
 ACCCATTATTGGTGTAGAGAATATTAAAGGTTGCTTCAAAACATTAAAAGGAAAGGAAACTGCG
 AACCCAAAATAAGGAAAGGCCAGGGAGGCTTAAACAGTGTAAATCACAGATAAAATGTTAAC
 TAAATCATAGGAAATAATTATTATACCCCTCCCAATAACTAAAATTAGAATGAAATAACCAAGTGTG
 CAAGGATTAGGTTAGCAAGGCCAGACTGGAGGATCAAGCTGTTGAGGAGTGTAAATTAGTACAC
 TACTTAAAGGTTAGCTGGCTTATGCTAAAGTACATAACCTCACAACCCCTCAACTCCACACCAA
 GATATACCAACAAAGAAATGAACTGCACTGCTTCCAGGACATGGGTTCAACGATCTCTGTTCTAGGA

FIGURE 3 (continued)

GCCCAAAGCAAAGCAGCCAAATGTCATCAGTCGTAGATAACAAACACTGGCATATCATTAAATG
 GAATGCTTCATCGTAAATTACACATTACAGCTATTGCAACATGTACACTGATCTCACAAACATGATA
 TTGGATAAAAAGAAGCCAGTCAAAATATAATTGCTTTATGTTCCATTAAACATTCAAAACATAA
 TCAAAATTCAATGCTTTGGAAAGGCCAACACTTAGTAAAGGTTAGGAAGAAAACGCTAGTGAAGCAAG
 GAATGATTAGCATGAGTCAGAATACTGGTAACTTGAAGGGAAGGGAGGAATTGGATTGAAAAGG
 GTGCACGGGGTTCTGGATACTGTCACTCTATACCTCTCATCTGCATGATAACATACATGACTGTCAGC
 TTATAAGTCATTATCTGTGACCTTACCTTACAGCTTCTCTGTTACACTAAAAGAAGCAGTTAGA
 ATAACATTCTATGTTAGTAAATTCTAATCTGTGAAATTATAAAAGATAAGATGTTATTGTGAGCATT
 AAATGCTATTAAAAGAAGTGCAAAATATAACAGGGAGATTACATCAATAAGGATTGATG
 TAATAAAATAACTGATAATTGCTTATGTTTACTGTTTACTGTATCTTGATCTGTTAGATTAT
 ATAACAAATAAATAATGAAAATTTCCCAAAGTAAAGCATACTTACCTCTGTTGAAATA
 AGCTAGGTGGTATTGTAATTACAGTTAAATATAATTTCACCCAAAGGAGTCTTAAGTCTGATCTT
 GTTGTGTTAACTTAAAGTGTGAAAGTGTGGTAAACCCGTTCTCTGTTAGCTTCTGTTAG
 CTTCTCTCTCACAAACAGCTAACATGCAATGTTGGTTGAAACAAATAACTGGTTTCCCGA
 GTGTGCCCCACTATATGTGAATTTTAAGTCTCTGTGATATCACACACCCACGGCTGCGACGCA
 CGCACAGCAGCACACAGACTATGCTGCAAAAGGTTAACACACATTTCTGTGAGATTGAGCA
 CGTGTGATCTGAAGTCACCCCTCATGAACTCAATGCCCTCTGAGGAATAATTGAAACAGGAAACAGT
 CCTCTATACAGTAACTGGTACTCTGGTACTCTGTAATCAAACATACCTGAGGGTCAAGGTGACTCTG
 AGTATCTGAGGCGACTTCTAGTGCCTCTGGAAACACTGATCTTAATAATACGTGTTGAAATTCTTACAT
 CTTATACAGTTATAATCTTGTGTTCCAGCCTTATTTACTTAGTGTATACTCTTCTATTC
 ACTTACACCAACCCCTGGACTACCAAAATAATGTTGTAATGTTCTCACTTCAAGTAACTG
 AACCAATGATTAACTGTAATTGTTGTTATCTCAAGGACCACTTAAATGAAACATACATTCTG
 CTGAAAGCCAATGAACTCATGGAAAGAATACTGTTACCGAACCAATATAACTTTATAATGCT
 GTATGTTTAGCTGATGACATGCCATACCTTGTGCTGAACTTACCTTCTGAGGACTCTGAGCA
 GAAAGCCTTATTCTCATGTAAGCTAACATCAGCTTACAGAAACTAAACTGTATTCTCATATTCTGAGC
 CAGCAGTGCAGCTAAATGAAAGACTATGTTATATGCTGAAAATGTAATATTCCGAAATGACT
 TTAAAATAAAAGTGTGTTGAAAGTATAAAAGTTAATATCTGTTGAGGTTTAAAGCAGATG
 GAGAAAAGTTTGTGAAAGGTTAAGGCTTGTGCAATCTGTGTTCTGTTAGTAAATGCTATAAA
 TATATACACTAAAATATAATTATATTTAGGTGTTATGTTGTAATTCTGTTCTGTT
 GTATGTTTAGCTGATGCCAGAAAAGGATATCTTCAAGAAAATCTGAGTGTAAAATTTAG
 TTTCTATGAGTGCCTCCATCCTAACCTTAAATGACACAAACTCTTAAATGTTCTCTAATCT
 GTCTGAAATAACCCGCTCTCATCCTAACCTTAAATGACACAAACTCTTAAATGTTCTCTAATCT
 CCTCATCTCCAAAATAATGTAATAATGAAATTACTGTAACAAACTAAATAGGGAACACCGAAG
 GAAAACATCAAGCGATGACTCACAAATAAAATGTCAAAGGAAATGTTAAAACAGTCAACAGAT
 TTGTGATATGTGTCATGTCAGTATGCTGTTGGTAATTGTTACTTACACTGCAAAAGTCTTGG
 CTCGAAATTGTGATACCTTCTCAGTGGCTGCTCATTTGACTTGGCAGGACTCTGAGGAA
 ATTCTAAAGCATTCTGTGAAAGAATAACATTAAATTCTCAATGTTGCTGTTAGTAAAGTGT
 GGTATATCCCAAGACATTATCTAATGGAGAGTAACCTTGTGTTATTAATTTATCAGAGTTGAAAAG
 CGAGGAGCTCTGCTCCCTGACATCTTGTGTTAGTGTCTGCTAATGACATTCTCAGA
 GGATGAGAAAATGAGAAAAGATCATAACAGAAAGATAATAACACCAAAATAATTTTAAAGCA
 TCTCTCAGGAAAGCATGAACTCTGTGTTAAATAAAACATTCTAATATAATTACTGACATCTATCAA
 GCAATATAAAACACACAAAGCATTCTGTGTTAGCTTGTGTTAGGAAAGTAGATAAAACACCAA
 TAAAAGTAACACATTATCTGTGAAATAAAATAATTAGTAAAGGAAAGGAAAATATAACACAGAGC
 AGATCTAAAGCAAAATAATAGGACAGGAAATTCTTCTCTTACAAAGCAATTATTAATCTACTCA
 AAGTTCCTGGCTTCAGGCTCTGTGTAACATTGCACTCTGAGTGTCTGTCAGTCAAGATC
 CCAACTCTAACAGTACTCTTACTTCTCCCGGGTTATTTCTTAAGGGTACAATTCAAATGCA
 ATTCTGCTTTAAAGATCAGGCTTGACAAATAACTTATAACTTCTTAATTTGGGTGTTGGAACCTCAGA
 AATGAGGAGGCGATGAGTCTCAAAAGACTCTTAATAACAGAAACATCACAAATAATAGTGTATATT
 CTCTTACTTCCCTTACAGATCCCTAGTTGTTCACTGAAACATAATTCTGGCTGGCATGTTGG
 CACGGCTGTAATCTTAGCAGTACTTGGAGGCTAAGGGAGTGCAGGAGTCTGGAGGTTGAGACCA
 GCTGACCAACATGTGAGGCGCTGTCTACTAAATAACAAAATAATGCTTGGCATGTTGGCAGATGAT
 TGTATCTCCAACTACTTGGAGGCTGAGGAGGAAATGCTGTAAGGCAACAGAGTGAACACTCTATG
 GCTGAGACTGCACCTTGCACCTGGAGCTGAGGAGAATGCTGTAAGGCAAGGTTGAGGTTGCA
 TCTGAGTTTAATCTTGTGTTCTGTTGATCTGCACTTGTGCAAGCTTCTGTTACTTGTG

FIGURE 3 (continued)

TGGCCTCACTGAAGCCATTCTAGCATCTTCACTGGGCCCTCGTAAGTAACTGGCAACTCTGCC
 CTCTCCATGTGCCCGAGCTTCCACTCAAGCTTGGCTCTTACCTCTAGCTTCAACTCTGCCATCT
 GCTGTTTACCTTACCCACATTGAAGAAACTCCCATCTCTTAAATCATGACCCACAACTTCCAAATCA
 TCAAACATGGCTGAATAGAACCTCTTCAAAACCTTCCAAAGGATGTAACTTTGGGGGAA
 TAACGTAGGCACTTATTATCTCTGCTTGCACACTACACATTCTTCACATCCATCAAACTCTCT
 TTCTTCTCATTCACCCACACTGTAACCTGGCTCTCTGCTCTTACCTTCAGTCAGCAGTCAG
 CACTCCCTAAGCAGTACAAACAACTGTATAGCTGGTAGGTGGTGGCCACACTTCAAAAGTCAAGC
 AGAAAGGATGTAAATGATTCACATTCAACAGTTACTGTCACAGCACAGAAGGCCCTGGCTTCT
 TGTTCACATGAGTCCCTTAACACTGGCTTGCACACTACAGGGTCAAGCTGCACACATCG
 ATCTGTCATGAGTCCCTTAACACTGGCTTGCACACTACAGGGTCAAGCTGCACACATCG
 CTAGTCTCCCTCCAGGGAGAACAAATTACCTTATTATCTAGAATGCTCTAGTGGAAAGGAGACA
 TTATTCAGCTGAAAGTATCCAGGAGAAAGAACATCTGAATCTCTGGCAGCAGAAACATTGTCACACT
 TCCCAAGGTTGTCATATGCAAAATACCTTGCACAAACATCTTGTGTCAGAAAGACACCCGCAATGCC
 AGACCATGGCAGAATATCCTCTGCATACTCCCATACCCAGCCAGTCTCACGGCTTATCATGCAACA
 CTTTCTTCCGAAATAGCTGCAGCTCCCTACACCCCTGCCACACACCCCTGCCACACTGATTA
 TCTAGCAGTTTCTAGTCATGTTCTAGGAGCAAGGTTAGGGAGAAACATTCCCTCATAG
 CAAACATTGATGGACATCTCAATTAGTTATCTCAATTTCAGGTAGACCCCTCAAAACCTCTCCAAAGCC
 TTTCTGGTCTTGTGAGCTGGTGTGTCATGGCTTCTCCCTCCACATTGGCTTATCTCAACCTCATCTCTACA
 GGCCTTCACAACTCCCTAAATCATGATGTCCTCCAAACAAACAAATTATCTACACCATGACCCAA
 TAAATGTCATCTCCCTATGTTATCAGCAGACTGCTCTTGTGTTCTGGCTTACAGGTTATGCTTAAATCTC
 CTAGGCTTATGGTGGCAATGGTGGTTCTGGTCTACTGACTTCAAGAAATTAGCTGTCGGACCC
 TCAAGGTAGTGTTCAGTTCTAAAGGCGCGTGTCTGAGTTTGTCTCTCATGTTGGATGTGTT
 CCGAGCTTCTCTCTGGTGGGGTCACTGGCTACTGGCTCAAGGAGCCTAAAGGAGTCAAGCTGCAACCTTGG
 GAGTGTCAAGGTTCAAAAGGAGCTGGGACCCAAAGGAGTCAAGCAGCACAGAAAGATTATGCAAAAGCTG
 AAAGAACAAACCTTCACAGTGTGAATGTGACCCGGTTGCCACTGTCCTGGCTGGGAGCCTGCTTAC
 TTCTTATCTGGGCCACCCACATCTGGTGAATGGGCCATTTCAGACACTGTTGCTTTC
 AGAGACTGATTGCTCTTTTCAAGAGACTGATTGTCCTTGTGAGGGTGTGACTGGTCATT
 ACAACTCTGAGCTAGACCAAAGTCTCTCAAGTCCCCTAGATAGCTAGCTAGACACAGACGATTGGT
 GCATTACAAACCTTGGCTAGACACAGGGTGTGATTGGTGTGTTCAATCTTGGCTAGACATAAA
 GGGTGTGCAAGTCCCACAGGATACAGCTGCTGATTGGTGTGTTCAAACTCTTGGCTAGCTA
 GACACAGACTGCTGATTGGTGTATTCAACCTCTTGGCTAGTGGTGTGTTCAAACTCTTGGCTAGCTA
 ATTAGCCAGATACAGACTGCTGATTGGTGTGATTCAACATTAAGCTGACACAGGGGCTGATTGGT
 CATTACAAACCTTGGCTAGACACAGACTGCTGATTGGTGTGATTACATCCCTAGCTAGACATAAA
 TTCTCCAAAGTCCCCTAGACTGCTGGCTCCAGTGGCTGCGCTGGCCCTCAAGGCTGCTTGG
 CTGAGGCGAGCTGGCTCCAGTGGCTGCGCTGGCTGCGCTGGCTGCGCTGGCTGCGCTGG
 ACAGGGCCGGCCGGCTGGCTGCGCTGGCTGCGCTGGCTGCGCTGGCTGCGCTGGCTGCGCTGG
 GGGCTGAGGGCTCTTCAAGCGGGCCAGAGTGTGCGCCAGGGCTGAGGGAGCCAGACTGCG
 GCTGCGCAGACGGCCGTCACCTCTCAGTGGCTGTGCTCCACCCAAATCTCATCTGAAAGTATGCTCC
 CATCATCCCCACATGTTGGGGAGGGACCCAAATGGAGGTTAATGATCATGGGGGAGGTTTCTT
 GCTGTTCTCATGATCTAAATAAGTCCCTAAAGATCTGGTGGTTTATGAAGGGCAACTCCCTGCACT
 GCTGTTCTCATGATCTAAATAAGTCCCTAAAGATCTGGTGGTTTATGAAGGGCAACTCCCTGCACT
 TCCCAGCCATGTTGAAATTGATCTAAATAACTCTTCTTATTAATACCCAGTCTCAGGTATGT
 CTTTAATTAGCAGCATGAGAACAGACTAATACAAATGCTTCTCCCTTCCAAAGACTGCTCCATCAAATTTC
 CTCTCCATCTCTGCTCTCCATCTCTTATTCTTATCTTCTCTCTGAAATTCAAGCTGGCTAAATTCTT
 TTATCTTAAATAATCAGTCTTAAATTGTCCTGTGCTCTTATGATCATCCCCACATCTATCTT
 CTCTCCATGAGCTTAACTCTTGGCAAAATAATAAACTAACAATCTCCCTCTGGCCCTGCTTCA
 CCAATACCAACCTGCTTCTCTGAAAGGAAATGCGCATCCACTTGTGCTGCAATGGACAAATGTTTG
 TCCCCCACCACATTCTATGTTAAACCTTAACTCTAAGTGTGATTTAGGACATGGGGCATTTGGG

FIGURE 3 (continued)

GGTAATTCTGTTTATGAAAATCTGAAACCCCTCATGAAATGGGATTAGTGCACTTATAAGAGGCCCTGGCCAGATC
 CAGTAGCTCACGCCCTGAGTCCCAGCACTTTGGGAGGCTGAGGCAGGTGGATCACTTGAGGTAGGAGAT
 CGAGGCCAACCTGGCCAATGGGAAATCCCGTCTACTAAAATACAAAATTTAGTTGGCGTAGTG
 GTGAGCTCTGTAATCTCTAGCTACTCAGGAGGCTGAGGAAGAAGAACTGACTTGAACCCAGGAGGCCAG
 TTGAGTAGAGCTAACGACTGAGTCTTTTACTGTGTAGGATAACAGGAGGAGGCCAGCATTCGAA
 AGAGGCCAGAGGACTAGCTAGTCTTTTACTGTGTAGGATAACAGGAGGAGGCCAGCATTCGAA
 CTGGAAGAAAAGCTCCACCCAGAACCCAACTAATCTGACATCTAATCTCAGGCTTCAGCTTCAAGAAC
 ATGAGAAATAAATGCTGTTTCTAACGAAACCCAGTCCTGAGTAAATTGTTATAAGAATTCTGAGCTAAC
 AATGCCAAATCAACATACTTTCTAGTCATTTCTACATTCTCCCTCTGTTGATGACATGCTGTTG
 TCTCCACGCTTGTAAATCCTCTCCACACTAATACAGCTCTTAAAGAGAGAACCTGCTCT
 TCACTTTATGACTCTGCCAACAGTCACCGCATAAAATGGCTAAATAAATGATTTTTTG
 CACCGATTATCTCCCTCGTATGGGCTTTCTCTTACTCCATTAGTTTACCATCTTACCTCC
 TAAAGCTTGGAGTCTACCCATGAGCTCTCTCTCTGAGCCAGACTGACTCTCAACT
 AAATTGCTTATATGCCAACAAACTTTCTCTTGGAGGCTCATCATGATTCTGATCATTTGAGAC
 TTACCAATCTATGTAACATAACCCCTGACATTCAACATGTTAAATCAACTCATTTCTACCA
 CCTTAAACCTCTCAATCTCTAGTCTCCAAAAGCTAGTACTACCCCTATGCTAGTCTCCAGGCC
 AGAAATTAGAGCACATGCCCATATGACTCTAGTCTGGGGCTCTTTGATTTAAATGCTACGCCAAC
 CCTCCAGCAGTCCCATTTCTACTGAGTGTACTGTTGAACTCCCTGTAATTCTCACCTAAA
 TATTGCAACTGCTCTCTGTTCTACCTGAGTGTACTGTTGAACTCCCTGTAATTCTCACCTAAA
 GGCAGTCAACCTAATGGGTCACACTAGCTTAACTCTCCCATGCTTAGAGAAATAAGTGA
 GCTCTTGGAGGCAACCTGCTCATTCTGAGTGTACTGCTCTGCTTCTGAGTCTGTTGAG
 TTCTTCTACAGTCTGAGGCTCATCTTCTGAGTGTACTGCTTCTGAGTGTACTGCT
 TTGCTCTTCTATTGCTTCTATTGCAAGTCTCCCTACCCCTGACTGACTGAACTCTACTCATAC
 CACCTAAATGAGCATCTCTCTCTGTAAGGACCAACAGGCTTAAAGGCTCCCTACCC
 GATGGATATTATGGTGTAGATCTTACATGAGCTTACAGCAACTTACATTGTTTATAGCTTAAATATT
 CTTACATCTTCTGATCTGATCTGATCTGAGGAAAGTGTATTGTTTATATCTTGTATGAGAAG
 TAGTACCATACAGTGTAACTCTTGGAGGAAACATCAGACATGGCTGAATGTTGAG
 CTGAAGCTTGTATTAGGATTTAAATTCTCTAGTCTCTTGTGATTTTAAACTTAAAGGAG
 AATGGAGAAATGCTGATACAGTACCCAGGCACATAAAGGCTCTCAATAATGATAGATGCTGCT
 GCATCACCATTACCATTTATCATATTATTAACTAATGATTCTCTGCTTCTTCAAGGCTGTT
 ACTCTCTCAGGTTAATCATTAAGTGTCTTCTGTAATAAATATAATTAAATTTAAATATATGATTA
 CCTTAAATGGTTATCTTGTGACATGACTGAGTTTTGCTATTGCTATTGCTTCTCCAAATACTTAAAGTGA
 TCTTCTTCAAGTAGATTTAAATTTAAATTTATGACTGATTTCTCAGTGTATTGCTTCTGAG
 AAGAAAAGATAATTATCTTCTTCTTCTGTTGATTTATATATATATATATATGCTTATGACT
 ACCGCTTCAACTTATTTATGAAAATGATAGTATAGGTTTATTTGGATTTCAACTAAATTC
 TTGCTCTTAAAGAGCTGTCATAAGAAAATTAAGTTAGGCTTCTGAAAGAATAAGCTGATTAAATATAC
 TAAGGCTCATGACCACTTCTGAGTCTCTGAGTCTCTGAGAATGTAAGCATTCAAGGTTTATGATA
 AGATTAAGTGGGCCAGGGTGTGGCTGACATCTGTAATCCAGTACTTGGAGACTGAGGAGCTGGA
 TCACTTGAGGTGAGGTGTTGGAGACCAACTGGCCAACTGGTAAACCTCCACTAAACAA
 AACTTACTGCTGGGTGTGGTGTGACACTGTAATCTGTAATCTGCACTGTTCTGGAGGTTTGAG
 AGACACCATCTCAAAAGAAAAGAAAAGAAAAGAAAAGGAAAGTGGCATGTTGAGATTGAG
 AATTAATGTTAATTAAGCRAAAAGGTTAGGAAACCTTACAGTGTGTTGAGTGTGAG
 ATCTGATGTGACTATAATGCTGTTCTAGGAGCTGAGGAAACATCTCTCAAGTCAACATCT
 CCTGTTGGGACCCCTCAGTGTGCTGGAGTACCTGGAGACTGTTGAGTGTGAG
 ATGATGATGATGACTCTATATGAGTGTCAATTGCTCATCTTCTCATATGTCAGACATT
 GTTCTTGTAAACACATACAAATGCTTATTGAGGACAGAGTCTGAGTAAAGGAAATCA
 TACCAAAAGACTGCTAACTCTCAACAAAACATTACAAACTTCAATGCTGAGGAAAGACATT
 GTTCACTCCACCCCTTCCAAAGGAAACTTTAAAGGCTTCTATCTTCTAACTCAGAGACATCATC
 CCGTATGGACAAGAGTTAGAAACAAACTTGACTGACTGCTTCTCAGAGAAAGAATATT
 TAGGAAAGATGACTCATAAAACTTACAAAGTATAGTATGACTTATGAGAAGCTATAT
 TTTTTCTTATTCTACTATACATAAGAAAAGACCTTATCTGAGTGTACTCTGACATATTCT

FIGURE 3 (continued)

CACCGAACTATAACCTAAAAGACTCTGAAAGGAGATTTTGCACTGGCAGTACACCGAGTCTGTGA
 CAGGGAAAGAGCAACCCAGGCTCTATTCCTTGTCACTGAGCAGACACTGTCCATTCCATACACAT
 GGCCCATACTCTCATTTTCAAAAATGAGCAGCATTCATAATTCTAAATTCAGGATGATTITG
 TGAACTTTACTGAGGTTAGTCTGTTAGAAATAAGGCAAAAGAGTCTATCGTCAGGGAAATTCATCTCA
 CCCTATTGATAAGCTCAGATCCCACCTGTAGGGGTTCTGAGTTAAACCTGTGAAACAGTGT
 CACTGCTGACCTCTGGTGGAGATTTTTACTCTTTGTAACTGTCTTGTGAAACAGGGA
 ATTTCACCAAACTTACCTTCAATAACGAAACACAAAATTTTGAGTCAATTAACTGTGTTG
 GGACTGTGAGATGACAGATGAAATTGGGACAGATAACCTTAATTTGCTCGTGTGAACTGTGAGT
 CACTCATTAACCTAAAGACTTTAGTCTCTTAACCTGTCTACACAAAAAGATTGGAAGATTGGATAT
 TGAGTATGTCAGCTGTTAGGCAACTTAAACATCTGCCATAACCTTAAAGCTGTTAATCTGTGCA
 TTACCTTACACAGCTCAATTACAGCTAGTGGAAATGCTATTGCTAGTTTCTCCCTTCTTCATC
 TCTGAAACATTCTAACACAAAATGTGCTCTGGAAAATCTGGTGAATTACTAAATTAAATTTTATT
 TTGCTTGGAGTCTTGGAAAATACAGCTCTGGTCAATTCTCTTCTTGTGAACTGTGCA
 ATTGGAACTCAAGAATGGCCCCTGCTTGGAGGATTAAGAAAATAGTTGAAGTCAAAAGTCTC
 CCATCTTCAATGATGATCAGTGTACTCGGTACAGAAAGTTTCCCTCAGTAAACCCGGAGGAAGTGGGTA
 CTCTTATATACAAAGATACTGGCAATCTGTCATGTTGATTTTAAACATGGCAGCTCTG
 GACTTAACTTAAAGTTGTAACCTTGGCAAGTCACTGTGACTAAATGCTGCAATTCTTA
 GCATAAGAGACACAAGTCTTGGAAAGTAAAGAGAGGTTATGTGAGCAGGGACTATCTCTGTGATATA
 TGGCAGAGACAAAATGATGAAAAGGCCAGCCCTGGAAAGGCTGAGGGAAAACCAAGCAGAAAAGAA
 CAATACAGACAAGCTTCTGGAGATCAGGAGTTAGTGGCCCGAGAATAGGGGATGGAAGATG
 ATCAGATGGAGTCTGGAGAAGTAAAGCAGCTCAGACACACAGTCTTATAGACCATACAAAGAATTGGA
 ATTGATTCTAAAGTTTAAATGGGACCAATTGGAGGTTGGAGGTTGGAGGAAATCATGTTGATTCTCA
 GCTTTAAATTTCACTTGGAGGCGAGGCTGGTCAGGAGACTATTGGCAGTAGGACAATATTGCGA
 ACATGAAAGTGGCTGGTCTAGCTCCGGCATAATGAAATAACCAAGTATGAGGTCAGCTGTTAAA
 CAAATTGGAATATGTTGAAATGTTGATTAAGTGGATTAGTGTGCTATGACAATTAATTATCAT
 TTAATTCTCATTTTGTGATTACAGAAGCTTAGCATTTTTTTTGTGAGCGGAGTCTCGTCTGTC
 ACCCAAGCTGGAGTCTGGTGTCTGGGACTCGACCACTCTGGTCTTCCAGGTTCAAGTGTATTCT
 CCTGGCTCAGCTCTCAAGTCTGGAGACTACAGTGGAGGCCCCACAGCGGCTAATTTTGTTT
 TATTAGAGACGGGTTTCATCATGTTGGCAGGCTGGTCATGAACTCTGACCTCAGGTATCTGCTG
 CTCAGCTCTCCAAAGTGTGGGATTAACAGGCTGGCAGGACTCGACCCAGCTGAACCTTGTAGATTAAAGT
 GATTGTCATGTCACACAAACATTGGTTGCGAGATTAAACAAACCTAGTGTGCGCTGGCTCAT
 TCTGTTATCTGTGACTCTGAAATAACACTTAATAGCAGCAACTTAACATTATTAGACCATGGCC
 ACTTTAAGGTTCAAGAATTTTGAGTTGGTAGGAACTTCAAGAATATTCTCTTCAACACTCTGCT
 TACAGATAAGGAAACAGGGAAAGTTTGTGTTGTTGTTGTTTGTGTTTCTCAAGTAA
 CTGACTTCTGGCTCGGGCAGTACTGACGACCAAACTCACAATTACAGCTGAAGAACTTACTGTAA
 CAAACACCCACTGTTCCCCAAACCTGTGAAATAAATAAATAAATAAATAAATAAATAAATAA
 GAAGTGTGATTGGCTACAGAAAAAAATGGATATTTCACATGTTCTATGTTATAATTAGACATTGT
 TCTTAAAAAAATAAAGATATTAAAGACACTAAACAAATAAATAAATAAATAAATAAATAAATA
 ATATTGCACTCTATTGGGGACTATGAAATGGGAGAATTTGGCCTACTTCACAGTTATC
 ATGAAACATCTATTGGGGACTATGAAATGGGAGAATTTGGGAGAATTTGGGAGAATTTGGG
 GGAGATTGAAATCAAGTGGGAGAAGACAAAAAAATGCAAAATAATGCAAAATAATGCA
 AAAACACAGAAATAAAGATGCTGAAACAGGAAATGGGAGAATGGGAGAATGGGAGAATGGG
 GTGTTCTGGCTACAGAAAAAAATGGATATTTCACATGTTCTATGTTATAATTAGACATTGT
 TCTTAAAAAAATAAAGATATTAAAGACACTAAACAAATAAATAAATAAATAAATAAATA
 CTATTGAAACATCTATTGGGGACTATGAAATGGGAGAATTTGGGAGAATTTGGG
 GGAGATTGAAATCAAGTGGGAGAAGACAAAAAAATGCAAAATAATGCAAAATAATGCA
 AAAACACAGAAATAAAGATGCTGAAACAGGAAATGGGAGAATGGGAGAATGGG
 GAGGAAGATCCTAAAGTGAATAATTTCACAGGCTGGCAATAAGCTAGGTGATGTTGGCTTGT
 TTACCCCAAGGATAATGGATGCTAGGGAGACAAAGAATGAGATTTCCTTCTGTGATATTTCAGGATA
 TAAAAAAAGGAGAGAAGTATTTCACAAATAAAGGAATAGAGAATGGCTGTTGGCTGAAAGGCTCTC
 CTCTCTGATCATTTGGAGAAGGTCATAACACATTCTCAGGTTATGTTGAGTGTCTTCAAC
 TTTCTCATGTTGAGGCTTACAGGTTACAGGTTACAGGTTACAGGTTACAGGTTACAGGTTAC

FIGURE 3 (continued)

TTTCTCCATCTACCTCTCTCCAGGATAAGCTCACCTCTCTCATTACTCCAAACCATATCTACATG
 GCTAAATCTCAAATTCATGTTCTCAGGCTAGACCTTACAGGAGCAAGGAAGGACAAATTCTCATGTTGGATGGT
 GTTGAGGGATGTCCTTTCTTGATTCGAACTTACAAAGGAGATTCAGAGCTGGTTCAGAAAGAAA
 CCTAGGGCTGACTCAGAATGTTCAAATTAAGAGATTAGCTAAATACAAAAAAAGTACTAAATG
 TAAAATAAGGACCACTGACCTCTGCTGATTCAGGCTTACATTCAGAGCTGGTTCAGAAAGAAA
 ACCAGCCATATTTCAGGTTCTTCTTCATTCATGTTCTGCTTGTAGACCAGGGCTGGTACAGAAGCACTCA
 CAACACAAACAAACACACATGAACTGAGAAATAAAACCACTTCCTGGAGGTTAGGGGCTTCTAG
 GTATCTATTACATCTTACAGAAATAAGATACTCTGAGGCTTACAGGCTTACAGGCTTACAG
 AGGTGAACCCACTCATCAAAACACCTCTCTTATCTGTCATCTGAAGACTTAGGGTATAGAAGA
 CTCAGTCTCTAAGGCTTAACTAATCTTGAAGGCTTAAAGGAGATTTGGTGTGTTAAACAG
 CTGACAACCTCTGGCTCTCCATCATTCAGTCTGATCCTCTTGGGCTTCTAGTGAAGATAACATCC
 CTCAGAAGATGCTTGTATCGATTTGAGAGCCTGCTAGGCCATTTGATTCAGACTGAACCTGTT
 ACAAGCTTAAAGTCTTCTTCAAACTCTAAATAAAAGGATTTAAACCAATTTAAAGGATTTGCTAG
 CACAGCAATATCGAAGTGTGGCTTCTCTGGGCTTACCTCTTAACTCAAGAAGAAAAGAAA
 ACTATAGACTGTTGAGCAGAACCTGTGTTATCCTTCCGCACACTTCTTCTCATCTAAATTAA
 TCTTCTAATCAAATCATGGTATTATCATTTCTTCCATGGGAGAAGCTAAAGGATGTTAAAGGCA
 ACTGTTCTGGTCAAAGATAATGACCTCATTTGATGTTATGTTGACTCAACTGAAGGACTGTATA
 AATAATGATGATGAACTTAAACAAATCATCTTAAATGAGGAAATTACCTCCCTAGGTAGG
 TACCATGATTTGAGAATTAAGGAATCATGGCTTATTCCTGGCTTACTCTCATGCTAGTAGAAC
 CTAAAGCAGGCCGACTCTCTGGGATTCTGGTCTAATTGTGAAATTATGAGTACTAGATCAGAC
 TATGTAAGGCTTAACTGAGGATAAAATGAGAACATCTGATGTTGAGCAGTGGCAGCAGCTAACAG
 ACAGTGGTGTGATGATGAGAACATGGATTACATTTAAATGAAATATGCTGCTGGGAGGACT
 TTAACTGTTCTCTAACTCAAACCTAACTGACATCAGATCAGAGGGAGCAAGGGTTTATCAAGATCAT
 AGAGCAAGTGTAGCTCTGCCACCTCTGGTACTCTCTCTGCACTGGCAGGACAAAGGCCCTCA
 GGTCTAGCATTCCTCCAGGAGTAGGACAGAGATGGCTCAGGAGCATCTTGTGTTCTGAGTCTCCT
 CTAGGCCGTGAGGGTGCAGGAGAGAGAGACAGTGTAGTCTCTGCACAGGCTTCTCTGG
 GTTCTCTCTCATGTTAACTTCTGTAAGGACAGTCACATTTAAATAAATAAATCTTCTCTGG
 GGTCTCATGTCCTCCACACTCCTGCACATGAAAGATGCTCTGTAATGCACTCATTTAAAT
 GAAACAGTCAAAAAAATGCTCCCGTCAAGGCTGCCATCAGTGGGTAACAAACCTCTGCAACAGGGCTCT
 CTCAGGAGCAGAACAGTGTCTGTCATTAGTGGAGGAGATAAGAAGGGCTGTGAGGGCTGCC
 GGACACAGGCCCTCGGAGAGACAGTGCCTGAGTGTGAAAGAAATTCTCAAGGCCCTCCCTGCTCC
 CAGCTGGGAGAGACAAACAGGGCTGGGACCATCAAGGCGTGTGCTCAAGGGCTGCC
 CTACTGGGTTAACTTACATCTTCTCCCGCTTCAAGTACTTTGGTGTATTCTCTGTG
 GTATATTGTAAAATTTCTGGATCTCCCTTAACACCCATGTGCTGGTGTACAGGATCAA
 AAAGGATGGTCTTACTAATCAGGAAAGGAGATGGAAATTAAATGTCAGGGGAGGGCTAGGGACA
 CTGAATTCTATTCTTCAAGTGTCTCCACTTTCATGATCCTCTGTCATGTTCAATTCTCAAGAGCA
 GAGTGTGGGTGCAATCATTTCTCTATCTCCCTCTTCTCCCTCAGAAGGTGGAGGACAATAAAG
 AGGTGGAGGGGTGATGTAATTAGTCAAAAGGGGTTTAACTGCTTCAAGGCTACTACA
 CAGATTGCTGCATATAAGGAATCTTCAAGTATTGGGAGGAACTCAGCTCTGTGTCACAGTCAA
 CACATATTGATATTCAAATTATTTATACTTCAATGTGCTTCCATGTTATCTCATTTAAATCT
 TACATGACAGCATCAGATGGGTGAAATTGCTACTGTTAACACAGATAAGCAGAGTATTCTCAGG
 GAAAAGGAGGGAGAACAGTGTGATCCTGCTTCAAGGCTTGGGACATTGTGAGGATAATTGTCATAA
 TTCTTCAACTAGATTCTCTGTCAAACTGCTGTGACCTTGAGGCCAAGGATGGGAGTGGAGGAGGGAG
 TGCGAGAAGGGAGGGAGGAAACAGAACCTGCTGTGAGGGCCCCAGCTCACA
 GGAAGCTAAATGACTAAATGTCATCTCTTCAAGGCAATTACTCAGACCAAGGGAGGACAGAAATG
 GGGACAGGGGCTTCCAGAGTGTGTCAGGCTCCAAAGATCTGGCATAACACTTATGTCCTCAG
 CGGATCTCATGACAAACCTAGCAGGCCCTCCCTGAGGCAAATCTCTCAGGCTTCTGAGGATCTAG
 TTCTCATCTATAATGAGATGCTTACAGCTACTGAGTATTTAGGAGTAAATGAGACACATAGCGT
 GTTCTAGGAGGCTTCTCATGAGTGTGCTTACAGTCAATTGACTAGGGGTTAATATCTAG
 AAAGGGAGTCTCTCATGTTGCTTACAGTCAATTGACTAGGGGTTAATATCTAG
 TAACCTTTTGCACTCCAGCAGAAATGCCCAGAGTGTGAGGAAATGGGTTATATGAGGGGACTGTCA
 CTTCACCATCAGCAGCAGATCTGGGGAGGAGTCAGCAGTATTGAGAATAATGGACCTTCTGAT

FIGURE 3 (continued)

TCACACCCCTCTAGTCAGCTGGTCTGTCACCCAGGGAAAGCAGATCAATGCAGATTGGGAAATCAAGG
 AAAAACAAAGATGGTACACTGGAAAGAAAATGAAATAATGACAAGTAAAAGAGAAAAGAAGGATATTC
 CAATATTGGCACCATGCTCTCCGCATATGTAATGCCCTCAGTCAGCACCCTCCAAGAAAAGGTATGGATATC
 TCTCCCTTACACATAAAAGAAGCTAAAGGTTAGAGGTTATGTCAGTCAGCTGCCATAAGGGCATTCTAGTGAGCA
 AATGGGTGAGAGTAAAGCTTAAACCAATCTGTCTGACTAAATCCTAAACATCACACTGTCTCTGTGAG
 TCATAGTCAGCTTGTAAATTGTTGTTGTTGATAAAATATATGTTAATGTTATGCTTGTGTTTACA
 CTGTAATTCTTAAAGGCAATTGAAAGCTAAAGGCTTAAGGACCTACTAACTTAAGCTTCAAGGTTACTAAGTA
 ACATCAATTACATGGAGCTAGCTGATAAAAATCTTCCCAATTCTTATAAAAATAGCTTCCCTCTA
 ATCACAGGTAGCAAAAATGATCTTAAATCATGTTAATCTTATTTGGGAGAGTTTATTATTTGAT
 TGAATATTATGGGTTTTAAATTTCACTTGGGAGGTGGCAGTCTCCAGCATGTGACCATGGGCCACCT
 ATCAGGAGCAGGGATTACCCCATCTATATAGATAGGTTAGGGATGGTGTGATTCAGTCAGGAA
 TTGGCTGATACGGCTTCTTCTGAGACTATTGGGAAAAGAAGCTATGTTCTCAAATCTGAGACTTTAACCT
 GTAATACATGAGCCCAAGAGCTTGGGGCCACAGATAATCTGAGAAATAAGCTTCAAGTGAAG
 GCAGAGCAGAAAATGGAGAACGCCAATCTGAAAATTAACATGCAACGACTGAAACATTCAATTT
 CTTTGGCAGTGTCTTCTGTTATTAGTGAAGAAAAGACTCAGTGTCCATTCTGTAT
 AGTCAGGATAAAGATTTCAGCAAAGCAGTTAGTGTGAAGATAATGAATGTTAGCACA
 CATCACAAATAAAACCTCTGATGGATTCTCATCATAATAATTGCTCTTGGTGAAGTACACAA
 AAAGAAAATGTAGGAAACAATATTTCATATTTCATATTGCGACTGATAGCTTAAAGTAA
 GGAGACTGGCAGGACTGTTCTGTCACAAACCCCTGTCACCAAAACAGGATCTGTCACCCAGGATG
 ATGTAAGAAACTGGCAGGAAACCCAGATCTGCAAAAGGCCATCTAGCTGCCCTACAGCTCATTA
 GTGTAAGATACTCTCACCGACCATAAAGGTTACAAGGTTACAATGGCCATGCAATGGCCCGAAAGTTAC
 CTTTCCATGGCAATGGCCAGAAGTACTGACTGCTTCCCTGAAAGTTCTACATAACCCACTCTCAAT
 TTGCAATTACCCACTCTTAAATTGCTGATTAATTAAGGGGTTAAATGAGTATAACACAGTTGGCA
 AGAGCCATATGGCCAACTCTGGGTCAGCTGACTGTGAGTTACCCCTGCCCTGCAAGAGCAGTACCA
 TTCCAAAGAAGATTAGGCTTGGCCCTTGAATTCTTCTGGTGAAAAATAAGAACCCCTCCAGGTTAATCC
 CCAATTGGGGTCACTCTGTCACACAGGACTACCAAAAGTGCACCTTTTACCATGAGTTAA
 TTTTCTCAATTCCCTTCTGGATAAGTGCCTTCTACTGAGAAATGGGACCTTCTACATTTCT
 TCAAACTTCAAAAGCATGAGTTGGCTGGTATCCGGCAAGAAGGGAAAATGAAAAGGCTGTCAGTCTG
 AGGATCTGTCATGGACATGGCTGACTGAGCTTTTCAGGTTAGGTGACTGAAGACCTCTCA
 CTATAATTCTGAGCTAAAATGGTTCTAGTGTAGCTAGAGGAAAGAGTGGCTTCTCTCAGTAT
 GATGCTCAAAATGTCATCTCCAGAGTAGGCAAGCTTCAATGCAAAGCCTTCTGGAGCTCA
 GTGTCCTTCACTTAAAGCACACAGGCACTTCTGGAGCTGCAAGGCTGACTGGCTAGG
 GGAATCTGACCATGAGCCAGAGTTGTCTCCAGAGCTAACGCTTCCCTATGACCATGAAAGCCAGAGA
 GTGCAAGAGAGGGGGAGTTAAAGGTAAGAGGCTAGTCCAGTTACCATGAAAGACACAGC
 TGGGAGTTTCCAGGCGACTGGCTGTGAGCTGTGGTGGGGAAAAGCTGAGGGTGTGAACAACTCAA
 AAAGACCCCTCTTCCCTAGTAGTCCCTGATAGACTACACACATTCTGCTACTAGTCTAATTTCTGT
 TCTAAAGTAAAGGTTTGGACTCATACACATTCTGCTACTAGTCTAATTTCTGT
 GTAGAGTTGCTTCTATTCTCATTTGCTTCTCCCTGAGCATTAACCTCTGATCTGTACTACT
 TGTCTTGTCAAACTACACTTCTGGTATCTCAGAGAAATTAACATCTGCAACCTTGGGAG
 AAGAGTACCTTACCCATTCTGGCTGGTATCTCAGAGAAATTAACATCTGCAACCTTGGGAG
 ATTAATAGCACTCAAAATGTTCCCTGATGCAACTCCAGCTCTGATTTATTGTCAGATGGTATTC
 AAAATTACAGGCAACAGACTCTTCCCTACTGTGAGGGAGGACTGGCCCGCCATGAATTGCTCCGAT
 TCTGAGTGAAGAGCAGTAGGAGCCAAAGCAGCAAGGGCCAGGAAACGGTGCACCTTGTGACAAATAAGA
 AAATCCACATGCTATAGAATAGGGCAGGGAAAGCAACTCTCCACACCAAGGTTCTATGGGCCCCGAGA
 CAAATGCCCTGTGACATAAAAGCTTGTAAAATCATGCAAGACTTCTAGTCTCAGGACCTTGGGAG
 CACACTGAGAAAGAGGACATGACAGCCGGGTAGTACCCACAGTGGGAGGCAATCAGACACCCGGAGC
 GTCAGGAGGAACGTAGGGCACTGAAAAGGGAAAATGAAAACCTGGGAGGGCTGGCACACACAG
 AGAAAGCAGGGAGGAAAATGGGTTTCAACAGGAAACCTAGGGAGGAGAAGCTGGCTATCACCTGGAC
 ATTCTCCAGCTCTGACAGGAAAGTGCAGAAATGCAAGAGTGCAGCTGGGTGACATCAGGGATGGTGC
 AAAAGCCACCCCTGGGTTCTGAGTGAATGGATCTGGGCTCCACATGCTGTCAGGACTCTGTA
 CGAGTGGCCTGAGGATGCTGCCCAAGCAGTCGGCACTGGGGGGTGAATCTGGTACATGAG
 GGAGGGAGGGGGCAGTTAGTCACTAAAGTGTAGGCTGGGCTGGGGCGGTGTCAGCCGT

FIGURE 3 (continued)

AATCCCAGAATTCCGGGAGGCGGGAGGTGGCGGATCACTTGAGGTAGGAGTTCAAAACAGTCGGCCA
 ACATGGTGAGGACCCGGCCCTCCACTCCTCAACTAaaaaaaaaaaaaaaaATAGCTGTGTGTGTGTTG
 TGGTGCGAGGCCCTGTAACTTCTAGCTACTCGGGAGGCTAAGTGGGGCAGGAGACTCGCTGAACCCAGGAGG
 CGGAGGTTTCAGTGAGCCGAGATCGTGCCATTGCACTCCACGCCCTGGTACTCTGCAaaaaaaaaaaaaaaa
 aaaaaaaaaaaaaaaaATGGGCTCTGGAAAGCTGTGTGTAGTGAATGTGTTGGGAGAATGAGAAGGAAATGAGG
 TGTGGCAGGCCCTGTGCTGACCGAGCTGGGGACACGCCCTGGCTCCCTGCTGCCCTGGGGAGAGGCT
 CTGGCCCTGGGAGAAGCGCTAGGGCCGCTGGGAATGTCTGGGGCTGTGAAAGGAGATAGTAAC
 TTTGGTTTTGGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTTGTGTT
 CTGAGAGAAGCGCTGGGAGGCGGAATCTGCTCCAGATGGGAAGCCGAGCTGGGACGCCGAGGCCGCG
 GGGAAAGCAGGTGGCACCGCGGGAGGGCGGGGTGACCTGAAACCCGCAAAAGCGGGAGGAGACC
 CGGGCACCTCTGTGCGGCCGCGTGCACCCGGGGTCTGCGCTTGTGAAAGCCGAAAGGGCTGATT
 TGGGACTCCAAGAGCCGGAGATATTCTGCTGAGCTCATGCGGGCTGAGCTTGGGCTTGTGAAAGGAGA
 CTGGGGCAGGAGGAGGTGGCCCAAATCTTCTCATAAAGGGTAGAGGTTAAAGGACACGGGG
 TCAGGATCCCGTGTGTTAATGCTCATCTCTAGTGAGCCGCTGTAAATGACATTGGGTTACGGCTTCTGGAGAC
 ATTAATTCAGACGGTGAAGATTAGACTCAGCTGTTCTGCGCTTCCGGCTTCTGTAACATCAAACTGCA
 GACTCATGTTACAGGCTCTGCTTCTACAGCACTGAGCTTAAAGGATAACGGCATACTCTGAGATA
 TATAACARTTTAAATATCTTATTTACATTTTTATATTTAAATTCATTGGATGCAAAACATTAAAT
 AACAAATAGGAGCAGAGGAGTGACATGGAAAGCTTAAATACATTTCAAGGAGTAA
 ACATGGCTTACTGAAATCTGGGGCTGTGCTGAGGAAACTAATGTTTACCGGGTTTTTTGAA
 CATAAAATTAAACGTCCTTCTTAAACTTGAGAAGAGCTGTATCTCCATCTGTCTTACCTAAGTTCT
 TTCTCGGGAAAACAAACATCAGGGCTCCCGAGATGTTCTGAGGAGCTGAAACTCAGCAGTCTGAGCA
 ATGAGGGCCAGACCCCCCTCACCCACCGTACTGAAACAGGACCTCTGGCTTGTGAGCAGCCCCCTC
 TCCCTTATCCCTTCCAAATTCTTCTACACATAGGTGATCTTCTCCACTATATAAAACCTCTGAT
 TTCTGGTGTAGGTGATGGGTTAAAGACTGATCTTCTCATCTCTAGGTGCGAGCACCCGGGG
 TCCCTAACAAATCTACTGTTCTAGTGTGCTTGGTGCAGAAAGCAATGAGCCTCTACCGACGGG
 ATCTGACTGAGCCCTGGCTCTGGTAATATAAACTGAACTTCTCAAGGAATTAAACACTTTCTCA
 TTGAGTACTGATTGTTGGAGGTTGGGGTCTGGGAGATTCTAGTGAGGATACAGAGTAAC
 CATGTTGGTTGATTGGCACTACATGTTAAATGAGGAGCTGAGTGAGCTAACGCTTACAGCAGCAT
 GTTAAAGCCTTCTTCTTATCTGTTGATGGGAAAGTACTGAACTTCTGAAACTTCTTAAAGGAAAAAA
 AAACCTTTTATCTGAAATGCCCCTTAACTGTTAGTGTGATCATACTAAAGGCTTACAGGCTTAC
 CTGTTCTTAAACCAAAATGCAAAATATACTGGAAATATTTAACTCTGTTATAAAACAAAGAGATAAGAT
 ATAATGACAACTTAAACATGGAGAAAATTACTCATTTAAAGGTTACTGTTAGGTGAGGCTTAAAG
 AGAGGATAAAATTAAACAACTTAAAGGACTGATGAGACTGTTAAAGGTTCTGTTAGGAGATAAG
 AAAATGCTTGGGAAACATGGATATATACAGCAATAGACTGAACTGACAAATACCTAGGTATTAAAGG
 AAATTACTGAGCAACTTAAACTTACAATGTTTCTTCAAGGCTCATGGTGTGTTGATCTGGCCT
 CATGGTACCCACCTCTCTAGTAAAGGGTGGAGGAAATTAACCTAACATATTACCGTGTGTTGATCTGGCCT
 AACATGAGTCAATGAGGAAACCCAAACCCGATATCTCTACTCATAGGTGGGAAATTGAAACATGAGC
 AGGGTAAATACCCCTGAGCATGTTAAAGGAAATTAAGGACTCATGGTGTGTTGATCTCTAGGGATCTAGA
 ACTAGAARATACCATTTGACCCAGCGGCCCTTACTCTGGGTTATACCCAAAGGACTATAATCATGCTG
 TATAAAGACATGCAACAGCTGTGTTACTGAGCAGACTATTCACAATAGCAAAAGACTTGGAAACCCCA
 AATGTCACAACTGATGAGACTGGTTAAAGGAAATGTGACACATATAACCATGGAAACTATACAGCCAT
 AAAAATGATGAGTCTCATGCTCTTGTAGGGAGCTGGGATGAAATTGGAAATCATCTCATGTAACCTA
 TCCGAAAGGACAAAAAAACCAAACCCGATATCTCTACTCATAGGTGGGAAATTGAAACATGAGC
 GACACCGGAGGGAAACATCACACTCTGGGAGCTGTGTGGGGTGGGGAGGGGGAGGGGATAGCATTA
 GGTATATACCTAATGCTAATGAGGTTATGGGTGAGCAGCACCCAGCATGACACATGATACATATG
 TAACCTGCTGACATGTTACTGAGCTGACATGTTACTGAGCTGACATGTTACTGAGCTGACATG
 GCACACATAACAAACAAATATTCTCTACACATCATTAAGGATAGAGGGAGGGAAATTAAC
 ACATGCTGAGTGAATGTGTTATTTTAAATTTAAAGGAAATGTAAAGCTGAACTTACCTAACAACTC
 ACTCTTAAATTTGTTAGAAGGACTCTGAGGGACTCACAACTGTTGAGGAGACTAATCT
 ACCTCTGTTAAAGGAGGCTCTGAGGGACTCACAACTGTTGACCATTTGGTTATACCTCAATGAG
 ATACACCTTACCTAAATGATATCAAGACATGAAACATTGAGCATTTGGTTACATGAGGAGGAG
 TTAGGATTAAAGTTCTCATGCTGAGGAAATTGGGTTAACATGTTGAGTGAACAAAGGGGTGATTC

FIGURE 3 (continued)

TAAAAACCTCACGCCAGGGAAAAACAGCTTTAAATAGGAAATTGAAACAAGTATTGAAAGGAAATAA
 AATCTTTAATGAAGATAATGGGTAGATAAAAAGCACTAATCAGTGGAGGGATATTCTGAGCAATGCTA
 ATGAATTATTCAGATAATGGGCCACCGGGCTGCTGGAGCTGCTCTCCCCACTCCACGGTCCCCG
 CAAAGGCAATGACTATACCGAAGACTGCTTCATGCACACTGGGCCAGGGCTTGAGGGACTCTGACTGTG
 GCGGATTTGGGATAACTCTTAAATTTGAAACAGACAGCAGCTAGTATTTAACATTCTGGGAGAA
 TATAAAATAGACACAGGCCATGGAGAAATAAGACAGAGGCCACTTGTATAATAGAAATCATTTCT
 TGAGGGTTTTGTAGAATTCAGAGCTAAAGAGTAGCTTCTCTCACTTCCAAACAAATTAAAGGAAAG
 ACCATTCTCTATCAAAAMAAAATCTAAATGTATCGATACTCTAATATCGACAAACATTTAGT
 TCATTGAGTTCTGTTGTTCTAGTGTAAATACATGTTCTAAAGACTCTATTCTAAAGA
 TGAGTGTAAAGGTTAAATCTGAGCTATCCCATGTTAAAGGTTCTACAGACTTTGAAGTTATATGCA
 CCAGTTATCATCCCCATTCCTCATAGATCTGGTCAACTCTCCCCAAAGTATTAACATATAC
 ATGGAACATTATAAGAACATTTACTCTCCCAATAGTGTACTACTGTAGTGACTCAGGAATACGGTGATAAA
 TAAACAGTTCTGCCTGAGATAATTTACTCTGGTAGAAGGAGTATTTAGTGCAATGTGCAAT
 GATTCTGATTTTAAATATGGTGTACATGGAAACATACATTCTCATCTGGGCTGAGAACAGTC
 TTCTGGAGGGAGGTGATCTAGGACAAGAACTAAAGGAGTGTGAAACTAGGAAAGTAAGAGAGGTT
 TTGAGGGCAGGACAACTAGGCAGAAATAATGAGATGTTCAACAGGAACTTCTGGAGAACATTACCCAGA
 TTGAGGACTCAGGACAGTTCAGTTAGGAAATTTAAATGTCTCATCTGTGTTACAGAGATGAA
 AACTGGGGCTGTAGAAACACAGCTTTCATGACTTTACACCTGCAACAGAAATTGGACTTTG
 CTGGTGTGAGCAGCTTAAAGGAGTAAAGGACAGGACACTATCTGATCATATTAGGATTATAAGG
 TTGATTTAGGAGTTGAATAATGTTACTATGAACTATGCACTTCTGGAGGAGTCAGAACATCCAG
 ATGAATAACTACTGATAAAATGATCTAAGGGAGAGTCTGCAAACATTCTGGCCATGAGTTTAC
 TATAACACAGACACATCCATTCTGTATTATCTGCTTGTAGGACAAATGACAGGGCAAGGAG
 TCAACAGCAGACTGGCTGCAAAAGCTTAAACATTCTATATGGCACTGACCGAAACATGCCACCC
 CTGGATCTAAAAAAATATGAGAAGGAGAAAGTATCTGGAGAAAGTATCTGGAGAAATATGAACT
 ATTTGTGCTGGTTAAATGTGGAGTAGGAAAGAAGTAACTGGTCAAGATGTCTACTATGGATTGAAC
 AGGTGATTAATAGCTGATCTGATATGGCTTCTTAAATGCTCAACTAAATGAAATACTGCTA
 CTGGTATCGCAGCTTGTGGAACTAAGGAAACACATCTGCAATGATTAAACCTAACAAATTGTGAG
 TCTATGGTCAACAGTAGATAAGGACACATTCTGGAAATCTGGAAATCAAATGGAAAGATTAT
 CTICAAGTAAGTTAAACTGGCCCTTCAAATCTGATTTTCTTGATGACTTCCACTACTGTT
 CTCTGTGCAATTAACTATGCTGGTACGGCAAACTCAAGTCTACTCTGGCAAAATACTGCTT
 TTATATATCTAAATCTAAAGTCAACACATTAAATCTGGAGATGTTCTGAACTTCTGGTCA
 ACAAGTAAATATGTTGAGGTTGGCTGTAATTGAGTAAATAAGGTCAGAGGACAGAACCCCTGTTG
 TTAGGAAATTACTGGGCTTAAAGGAAGGTTCCAGACTAGATGCTGGGAGGGCTGTGCTCAGTCAA
 GTCCAACACTGGACTAGATCACACTGTTTACTGTTAGTGTATACTTAAAGTCACAAAGGTTAA
 CTCTTAAATGGCCAACTTCTGTAATTCTAAACTCTGATGCGCTGATGATTCACTCTATTGAGAAA
 CTGAGTCGAACTTACTGATTGTTGCTCTTAAATATGAGAATCTGGCAGCTGAGTCACTGCTG
 TTGACTATGAGTATGGAAAGGATGGAGATGGCTCAACTGAAATATGCTAACTGAGCTGCTGTTG
 TTGAGTGTGCTGAGATACGGTCTCTGAGCTTCTGAGCTTCTGGCTCTTCTCATCTCTGG
 ATAAATGGGGGGAAAGAGGAGATCTTGTGTTGAGTACACATTGGTGTGATTATAAGGAACTATGTC
 ATATAAAAGAAGAAATCGGGAGAARCAGAAAGTGTATATAGTGTAGTATCAGTGTGATTGTCT
 TACTTCAGTATTAGGCAATTGCTACCTTGAGGAAATGTGTTAACTTCTGAGCTGAGTCAATTGCT
 TTAATATCTGGGAGGTCAGGGGCCAGGCACATGGCAGCTAAGGCACTCTGTTAAGGGAGATGATAA
 ATTGAGTCTTAAGTCCTGGCAGGGAGCTGACTTAGAGATAAGAGATAAGAAAATTGTTGCAATAG
 AATCTCTAAATGTTAGTGTGAGGATGAAATCTGAGGAGGTTCTCAGTGTGATTACATTTGACTAA
 TCTGGGCAACTTATTGGACAGCAGCATATTGCACTTCTCCCTCACTCCCTGAGTAAACATATT
 TTGGTTGAGTGAACAGTAAATACAGAGAGAACTAGGGACAATTAACTTATTTGAGCCCTATGACTAA
 TGAAAATCCGATCTGGCACTTCTGGAGGAAATGTGTTAACTTCTGAGCTGAGTCAATTGTT
 TGCTATTAACTTCTGTTGAAAGAAACTAGAGTAATCTACCAAGGTTATCAGCTGCTGAGAAATACAA
 AAGCAGAGGTTCTCCAGGCAAGGGCCCAAGGCCACCTTGAGAAGGAGCTGAGGAAATACCTGAGCACCT
 CTGGGAGGTCAGGGCCAGATTCTAAACRCAGAAATCTCTGACACATGAGATCCTTAGTGTAGCTAAGTGT
 TGACATGTTACTAGGAAAAGCTGAAATCTCCCAAAGCTTCTGAGTAAACATTCTCTTCTCTTCT
 CTGTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCT
 ATTATTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCTCTTCT

FIGURE 3 (continued)

ATTTTGAAACCAATAAAACCTTCAGGACTGGAGGAGATGTTTAAATGGTGAGGTGACATTGATGAGG
 TTGATACGGGAGTTCATGGGCATCAAATCACACTGCACTTATCTTTAATTCAACTAAAATGACT
 GACCACTTACTGGTAGATCAGTTGCTGTGCGATAAACCTTAAACCGGTAGTGTAGTATTAAACATGG
 GGTAGATACTGAAGGCTTCTTATATAACGTGAAAGAGACTGGTTATCCCTATAGCTACTGGTAGGTA
 CTGGAAAGTGTGAAAGATGTATTGTCATTAGATTCTGTGATTGGTTCTGGCATAATCTGGAGGA
 TGGAGTCGAGGAGAAGTGGGAGAAGAATGAAGAAGTAACGCCCTTCCAGGAGAGAAATGTGAGGA
 CTTGAATTAGAGCAGTGGCCCTAGGTACAGAGAGATAAGGACAGATTGAGATGTACTAGTACACACAG
 TACAAGTAGGCAAGGAAGACAGAAGTGTGAGTGCAGGAGCAAGAGTAAGGAGAGTCTAAGATGACT
 GCTGGCTTCGCTGGAGAACTGACTGGATGATGGCTGTTCAAGACAGACTGGAAATCACAGGAGGTA
 AATCAGATGAAGGCTGTATGGGTGAGCAGATGCCAGGAATGGAAAGAATGCTTTATTGGAAGAAAGCTT
 AAGTGTGAAATGCTGAGACAGTCTGAAAGGCAATTTCAGTGTGAGCTTCTATACAGCTCCAGACGCT
 GAAGATGAAATCTGTACCAAGCACAAGGATTGACAGCTCATGATGTAGTTGGCACTCATGCTCTGGCC
 GCCCTTGACTTCACAGCTGGTGTGATCATAATGGAGGTTTAAAGGAGATCTTAAAGCTAAAGGAA
 GAGAGACATTCTTCTGACTTGTGTTTAAATTTCTAAAGGCTCAAGATCTGTA
 TGATCTTGGAGAAGAACCCAGGAAAATATGCACTTAACTACAGGTGTCATAAAACCTTGGAAACGCTT
 TCATAAACCGAAAATAGGAACTGTAATTCAGATGTTTCCCTGTATCCCTTGTGTTTCAATGTT
 TTCTCTGAGTTTTAAATTTGCGCTCTGCCTCATAAAGCTGTTAAATTATCTGAAAACAGTAA
 ACAAAAGTAAAGAATTTAAATGGTCAATAATGATGTGAGACTTTATGTTGAAATCATAACACAAATG
 TCTTCTGCTCATTAATTCTCAATAAAATTTCTACCCACTTAAATAGATCTACATGTTTACAAATC
 TTGCGAGAATAAAACTAGATGTAATTTAACTCAAAATTACTAGTTGTAAAAATCAATTCTGAGCATT
 CCAACTTGTGATTGTTCTGAGAACACTTTAAAGGGTTCTCTGTTTGTGTTTCA
 TTCAAAAGCACCAGAACGACTTGCACTGCAATACTGAGGCTTTTAAATTAACTAGAAGATTGTTGTTG
 TCAGGAATGTGCTCTGAAATAACCTTAAAGTGTACATTGTCATTGTCATTGTCATTGTCATTGTC
 CCAAGAATGTAGGCTGTAGATGACTCATTGCACTTAACTGGTAAAGGCTTCTCTGTTTGTGTTTCA
 AGTTGTCATTGTCGAATATGAGAAGGAAAGCTCACTTCAATTCTACAGGCTTAATGGCACA
 CCAAGTGGTATCATATTGAAATGTTTGTCTGTTTGTCAACTTCAAAAGGAAATCTAACCTGGGAC
 AATTGTTGATGTGACAGCATGGTTGTAATGTCCTAAATAGGTGAGGTTTAAATTATTATTAT
 AACTAGTATTCTCTAATAAAATTCTGTCACGCAAAATAAGACTCAAAATACTTCATGACAG
 TCATGATTAGTAGATAAAATGCAAAAGTCTTACTTATCTTCTTGGAAAGAAGTGTAGGAGGTGAT
 GGTGTGCAATGTGATTCAGCACTCTGCAGAGGCTGTCCTGATCTCTAATGATCAGGGTTCTCATAGGGAA
 GTTCACTCAGTGAATTCTTCTGCTCTTCTGCTCTTACTAGGTGTTGATTGGGTGCTTATTCTCAA
 ATCTCTCAGTAAAGTTTTCTCTCATATAAAATGGAGGTTGATTAACACATTGGGCTTGTGAA
 GATTCACACTGTCATGACAGGAAGTATTAAATCAGTGCCTCTGAGTAACTGAAACATCTGAA
 GCTCTTTGTAACTCTCATCATCATCAACTGCAATCAGTGTGACCTATGATCTTACACAAAG
 TTGCTCTCTCTGTGAACTAAATAATTACTACCTGATCTCTCTCTGATGAGGAAACGCTGT
 TTAGAACTAGTATTGTCAGTGTGATTAAAGCAGTTAAATTAACTACAGTAACTCATAGATA
 AAGAAATCATCTCTGGCTTAATCTGACTCTTCTGAGGCTCTATTTGTAACCAAGTCAGAGAAGAG
 CAGGGAAACAGGAAGCTCTGCTCAATGTCCTCAGTCAGCAGGAAATACTGGAGTGTGATAACTGTT
 TACTTTGAAATAGTGAAGCTCAATACTTAAATGAAAGTAGGTGAGGCTGAGTGTAGTCTCAG
 ACTAAAGCAGTAGAGCTGTAGTTAGGCTTGGGAAGGGAAATACTGGAGTGTGAGGCTGAGCAGGGT
 TTGTTAGGCTATGGCAACACAGAGGGTGGAAATCTAGGAGTGTGCTGCTATTTCTTCTCATACT
 TGGCAAGAAGAGATCTCAAAATCTAGAGGAGTGTGCAAAACAAATCTCTGTTACTACTCTAAATGTC
 AAATCTTGGGCTTAGAGCAAGGTTAGAACATATCATGGAAATACTGGGAGTGTGAAACCTTCAGCAGCTC
 TTCAACAGTGGCTCAGTCCCATTGTCATCCACCTAAATTCAAGGACTTCCACCAAAACAGATGTT
 ATGCTCTGGATGAATCTGAAATAATTACTGCTGTGATGTTAAAGGACTCTGCTTAGTGTGAGCAA
 GCCATATAAAACTCTCTGAGTTTGTGATCCAAATAAAATGGAGGAGCTTAACTGATCTTAAACTGTC
 CCTTATTCTCTTCTCTCTCCATTGTTGATTTCTCTACCTAAACAAAACAAAATAACAAAATA
 AAAAGTTTATCTCTCTCCATTGTTGATTTCTCTACCTAAACAAAACAAAATAACAAAATA
 AAAACAAACAAAACAAAATAAGGAAACCTTACTGCAATCTACCCCTGCAATTGAGAATTTATCATAGG
 TAGGTCTCTGGGTTTATGGAAATAACACATAATTAAACCTGTGTTGTCCTCCAAAACACACTTGTGTC
 CCTTAATTGGGATTTGGGAAACAGGCTCTCAGTAGAGATAGCTGAGAAGCTTCTCTGACCTGCTGA
 AACACATGTAACCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCC
 ATGTTGCTCTGAGAAAGGGTACTGGGCTAGCTCTCCCTCAGCCCTCAGCCCTCAGGCCCCAGTCC
 CCCCCCTCAGGCCCCAGTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCCAGGCTTCC

FIGURE 3 (continued)

TTTCTGGGAAGGAATTGTCAGGTCATGGACACTTCCAGGGGGAAAAGTGTCTAGGGTCTGCTAGTAT
 AAATAAAGCTTCTAACATACAGTAGCAGCAAGCAACTTGAGCCACTTGAGCCCTGTCAGGGCTTCTTCT
 CCAAGCCTGGTTCTAAATGAAATGTCACTCTTTATTAGGAGAGAAGGAGATTGCTTAGAGACATT
 GCTAACACTTAAAGTAGGCTCGCTTAAACCCCTTTCTGACACAAGCAGCACCCCTGGAGAACCTGTTAG
 CAAAGGGCTTCTTAAATGAGAGAAGAACCTCAAGGCCAAATAGGAAAGAAGTGTCTGCTGAAATAG
 TTGAATGACAAATAGCGGTATTTCCTGCAAAAAGATGAAGATGAAACAAATGTGAGACAAAACA
 TGATTTATTTGTCATGCTCTAACATGAAAGGAACTATCATCAAGGCCAAATCTGAAAGGAAAGTATCG
 ACATAACAGCACACCAAGAGTAGGTTAGATTTCTAACAAAGCAGAACATCTTGAAATAAGAAGAGCTT
 ACAAAAGTAATGAAAATCTCAATGCAAGAAGGAAAGCATAATGGCCAAAATAGTGTGCTCGGGATT
 GTTAAAGAACGCTGAGCTGAAAGCCTTAAAGGATTTCTGCTAGGCTTAAACCCCTTTATGTTCTAACAGGAAT
 TTGAGGCCAAAGGATTTAAAGTAACTTCTGCTCAAGGTCATATAACTAGTTAGTGTACTTCGGAATTGTTAGC
 AACTGCCTTCCCTACCTCGTGGAGCCAGTTCTGAAGTCTATCACAATACCCACCTTGGCCGGTTACT
 GAGACAGCAGCTGGTCAAGGAGGTAAAGTGTGACCTGTCAGGCTGGTATTGTCACCCGGGACT
 AACATGGGCAAGGGTGTCTCTGAAGTTAGTGTCTGTCACAGAACACAGGCCACAGGGCAAAAAC
 TTTTGGCCATTATGCTTCTAGAATATGTTGTTGGAAGAATAATGGCAAAAGAATGGAGGGCTG
 GCGAAGGCATGGTCATCTAAACCTGGAGCTCACAGAATTAAACATTATAGATAGGAGAAAGATAAAA
 AAGGCCAAAAGGTTAAATTATTATTAAAGGTTGCTTAAATAGGAGGGCTGAGGCTGACTCTA
 AGAGCGAGATTTACAGATGCTAGGCTTTCAAGGAAACTGCTAAAGGATTTTAAACAGGCTGGAGCC
 TGCCCTCCAGATATACAGGTCATCACTTTTCAAGGAAACTGAGGATTTTAAACAGGCTGGAGCC
 TGAGAGATGAAACATCTGCAAGAACAGGAAAGAGCAGCATGCAAAATACTCGAAAAGATAATCT
 GAAATGATGTCCCTAGAATCCTAAAGATAATGTTGGAAGAACCTTGTGAATATGCCAACAAAACAAGAT
 ATATTATTTGAAACAGGATGATCACAGTGAAGGGACTGCTGGATGAAAAGACTGAGAGTTGGCATG
 AGGAAGGATTGCTGATAGGATGTCAGGCCACACTCTCTTCTGAGGTCTTCAGGTTCCAGGCCATT
 CCAGGCTTCTTCATCCATCTAGAATTCTCCAGCTTACCCAGCTGAGGCTACCTTGTGAA
 ATTAAAGTGTATACATTGAGGAACTCTCAATTTGAAACAGGTTCAAAATGGAAACCCCTGGCCATTCTCA
 CCCAAAGCCTTCAGAAGAAAGGCCCTTTCTAGCTCTTGTCTTACCTTCAATCTGTATAATTAT
 CTGCTTCAGCTTACCTTCTGTCATCACACTCCACTTCAATTAGTCTTCAATCTGTCTTCA
 AATATGCTCTAACATTCTCTTCTGTCATCACACTCCACTTCAATTAGTCTTCAATCTGTCTTCA
 TGCCAAAGAACTATTAAAGTATTTCACTGGGCTTCTGTTCTATTTTGCTCTTCTTATTAAAGTCT
 CTCCATATAGTACTGCTTACCTAACTTAAAGACTGCAAAATTAAAGTGTCTTCTGCAACTAAACCT
 TTAAAGGCTCCATAGCATGAAATTCTGAAATTAAGTCTTCTGCTTCAACTTAAACACTTGTGAT
 TTCAAAATCTACCGGCTTCAATTAGTCTTCTGTCATCCAAAGCATCTTCAATTGCTTCTGCTTCA
 ATAGACACTGTTCTGTCATCCAAAGCATCTTCAATTGCTTCTGCTTCAATTGCTTCTGCTTCA
 TTCTGGGAAACACTTCCCTTAAACATGCTTACCCAAAATTAGTCTTAAATGGTACTTTCTC
 AAAAGGGTTCCCTACTGGCAACTTAAATATGCTCCAGGTACTCTTCTGCTTCTGCTTCTGCTC
 CTTCCTAACACTTAACTTGTAGGAGCTTAAATATTATGTTCTGCTTCTGCTTCTGCTTCTGCTTCT
 CTACACTACCACAAATAGGAAATGGCAACAGGAGACATCCATAAATAGCAATCTGTTGGCATGTGAAATT
 AGATAAAGAACATAAGCTTGGCTCTTACCTTAAATCTTCTGCTTCTGCTTCTGCTTCTGCTTCT
 GAAACATACCAAAAAGAAATTGGAGAGATAGGGGGTATTCCCACTGAGTGTGAGGTTGGAGATGGAG
 GGTATTCCCATGTTGAGCTGGAGGTTTGGGTGATTCCGAAAGTAATAATGTTATGCTTATGTTGGA
 TAAATCAGGGTGGAGGAACCTGCTGAGTACACATAAAGAAGAATGTCAGGCACTGGGGAACTCAGAATT
 CTCAAGAGGGCTCATGGCCACTGAGCAACTGACTGGAGCGGGGGGAAGAAGAGCAGAACCAATGGA
 TCCATGGCTCCCATCTTCTGTTGGCAGAGTAACTGGCAACCCAGAAATTACTCCCTAAAGAAAAAAA
 TTGTGACTCTTCTTGGAAAGTAACTTAAAGCTGCGCTTCTGCTGCGCAACATGAGGAGATTGATGTGCTGAT
 AGAGCCAAATAGTAGAACACTCTTCTAATCTGAAATTCAAGGGAGTGAAGGAGAGGGAGTGGAG
 TAGCTAGAGGGGCCACCCCTCCGGCTTCTTGTGCGCAACATGAGGAGATTGCAATTGCTTCA
 AAAGCAGGCTTCCCAATTAGTCACTTCTGAGACACGTTGCTTCTGCTTCTGCTTCTGCTTCT
 AAACCACTTCACTTCAATAAATCAAAATTATCATTAAGTACTAGATGATGAACTCAAAATTACAG
 GAGCTGGAGAACATCATTAGTGTGCAATGCAAGAACAGATTGACACTCAGAAGAGCTGACTCCCGA
 AGAAACATTTCAGACAGGAATTAAAATTGATAGGATTTTAGTCAACTCAAGAAAGTCATACACA
 CACRCGCAACACACACACACATACACAGATATTAAAAGGAATAACCCAAAGGCAAGATAG
 TGCTGAGTGAAGTGAAGAACAGAAAGTGGAGATGAAAGTCAATTCAAGAGGGCCACATTG
 TCTCAGGATTAAAGAATGGAAACAGAAAGTGGAGATGAAAGTCAATTCAAGAGGGCCACATTG

FIGURE 3 (continued)

ATGTGTATACTTCTAGACAGTAAGATGGGAGGAATAAAATAATTAAATAAAATTG TACCATTTCTATA
 AATGCTAAATGACCTCATCTAAATGCTTAAATATTCTACATATTACTAAGGAATAAAAGCTCG
 CAACTGAATTATGCGCACATTTCATCCACTTGAATGTTTAAATTAATGTAAGGCTTCTTT
 GATATGTCAGACATATTATTTATATTATATTAGTCTGATCATATAAAATAATTGTAAGGAAATA
 ATTTCAAAACATATTCACTGCTGACTCTTTAAATAGTTCAGGGCTTAAAGTCATATGCTCATTTC
 ACCCCAAATATTGCTTATGACCATCAGGAACCTTACGGACATGGGCAATTATGAAACACTTCACGTCA
 CCAAAACATAATTAACCTTCAAGATTTCTCAAGGCTCTGAAACCATTTCTGCAACTTTGAGTITG
 GCATTATTCTATGTTGATCTATGTTAATACATAGCCCAGCTTCACTTGTAAAGGGGGTGGCTGCCT
 TTCTTGTGCTCTATAAAGCATTGGCATTGCGAAAGAACAGTAAATTCTACTCATCTCAAATA
 TAAGTTGCTCTCTAAATTCACATTGTCATCACCTTCATTTCAGTAATTTCAGCATCACAAAT
 AAATTTGCACTTCATAAACAATACATTGTCAAATAATGGCAGCTCTACCAAACATAAGCAC
 CAACATGAACTTGGTGACAAACATAAGGCAACATGGGAATAACACACTTGTATGGACATGTAATA
 TTACATCAAGATCTTAACTTCAGAACATGAAGATAACAAAATAAGTCTTAAATGCGCTTAAAGC
 ATGGAATAATTCACTGTTTAAATAAAATTCTATTGTTGATCTGTCACATGAAAGGGCATA
 TTAAAGTTGAAATTCTCTTCACTGTAATGCACTACCCCTTCTATAACAAATGACGCAATTTCGCTT
 TTATTATTCATGGAAGTCATTTTATTTAAATAGCTTGACACCTGATGTTTGTGTTAAATT
 TACTGTATCATTTGCTCTATCATTGCTCATTTTCTGTCATTTGCTGACTTTTGAGGACTAATG
 AAAACACATTGGCAAAACATGCTGTCATTTCACTTAAAGGTTTGTCTTTAGGGAAAT
 TACACTTGTGTTGATTAAATAAAATTCAATAATTGATGTCATCTCCCTAGCTGATTTTAGTTGTC
 CATCATTTTACACCATGTTCTCATTCTTGTAAATTGTTTGTGAAATAATGTCATGCTCA
 TAAACAAATGTGTGTTGATATACATATAATATATGTTAATAGTGAAGTGAATAACATCTA
 ATACCCACTACCCAGCTTAAAGAACAGAATCATAAATGACTTGTGAGTCTTATGATCTAATGGATC
 ACATCATTCTCTCCCCAGTTAAACTACTTGTGTTTGTGTTAAATTATTATTGCTTGT
 CCATATGACACTTAAACAAACATAATGACTGTTTACCTTCTGATTTTACAAAGGGAAATT
 GACACCTGCTATTGCTGTCATGTTGTTGTTGGTAGCTGTTAAATTAAATTCTCATAATGT
 GTGGTATTCTCAGAACGCTACACCTCCACACAGTATTGTAACATTGTTCTATGAAATGTC
 TGACCATGGAAACAGGGCACAGCACTGACAGATGACTGTCATGTTACTGTATGTCATAATC
 ATTTGTTCTTGTAAATTCAATTATTATTATTCTATTATTCTGTTTCTGTTGATGATGTTTGTCA
 TGCTCTGCAACATATGCAAGGACTCTTCTTGGGTCTACTAGGAGTAGAATATCTAGCTTACT
 AAGTAATGGAGATCATTTCTAACTGTTTGTGTTTACCAATGCTGTTCCACCCAGGCCATGTCAGGACTG
 TTATGATGTTGCAAGGATTTGGTATCAACAGACTTTAAATTGAGTCCGTTCTAAATTCTATT
 TTAGTTGTTCTCTTAAATGAGATGAAACATCTTCTATAATGTTTGTGTTTGTGCTTCTACAGGATT
 CTTTGTGAGTAGCTGTCAGATCTTGTCTATTTCATGTTGTTTGTGCTTCTACAGGATT
 CTTTCTGTTGATCTTCTTAAATGAGATCTTCTTGTGTTTGTGTTTGTGCTTCTACAGGATT
 TAGTTCTGTTGTTCTTAAATGAGATCTTCTTGTGTTTGTGCTTCTTGTGTTTGTGCTTCTACAGGATT
 GTTGAGTTTCTCTTAAATGAGATCTTCTTGTGTTTGTGCTTCTTGTGCTTCTACAGGATT
 AGGTATAACCTTAACTTGGCCTTCTTAACTTCTTGTGTTTGTGCTTCTTGTGCTTCTACAGGATT
 TTATACCTAGTGTCCCTTAACTGGCATGCTAACCTTGTGGCATTATGATCTTCAACTGCTCAAGGTC
 ATCATCAAGGCTGATCTTCTACACAAACAAACTTTGCACTGCTCCGCATAAATGGGTGTCAGCAATTCT
 TTGGTTCTCATTTTCACTAAGAAAATACTTCTTCCAGCACACTACACTGGGGCATCTTCTCTG
 GGATCTTAATGCGAGTCTTCTTATCATCTCACATTCTCCACATATGAGAGAACATGCTCTGAGCTCAG
 CTCTCTTACTCTGTCGCACTTGTGTCCTGTTGCTATCTCTGTCACACCATGCTACACTGAGTTT
 ATATAAGTTTAAATGAGATCTTCTGTCAAAGGCAACTCTCTCACTTGTGATCTTCTTCTTGTGTT
 ATTTGCCCCCTTGTCTTAACTTGTGTTTGTGTTTGTGCTTCTTGTGCTTCTTGTGTT
 GATTGAGGACTAGAATTCATTGCACTAATGACAAGTGGGGAGAGACTGACAACCTTCACTCAAGGTT
 CTTCTATGAAATGACATGAAATGCTCATTATTGTGTCATCTTAAATGACATCTATGCAATTGAT
 AATTCAACATACAACTTGTCTTATTGTGTTAATTATCATCTTAAAGATCTTAAAGGTTTGTGAGC
 TAGTGCAAAATTAAATGCACTTCTAATGCTATTGCTATTGAGATGCTAAAGGTTTGTGAG
 AATAATGAGATGTTCTAATGCTGTCGCTTCTACTGTTACCAAGGCTCTGAGCTAACCTCTTATGACT
 GATTAATCTCTGCAACACTCTATGAGCTAGGTCTGTTATTATACACCGCTCTAGCAAGGACTGAG
 AAGCACTGAGGAGGTTGCTGTTAATCACCCTCTAGCACTGAGGACTGCAAGGACTGAGGTTGAC
 CAGAATCTGCACTGAGGAGGTTGCTGTTAGGCTCTAGCTGAGGACTGCAAGGACTGAGGTTGAC
 TTTGAAATTATTTGAAATACTTAAATTAAATTATTTGAAATAATGAGAATTAAATAATTCT

FIGURE 3 (continued)

CTATTATTTGTGATGCGTCTATAATCTAGGAATACGGTTTGTGTTGTTATTCAAATTAT
 TATGCTTTTGTATATGTTCTGGCCAAAACCTAGGGTCTACTGATAAGAGTAATGGGCGAGCATG
 GTGGCTCACATCTGCAATCTAGCACTTGGAGGCCAAGGCAGACAGATCACCTGAGCTCAGGAGTTCG
 AGACCAGCTGGCCACATAGTAAACCCCTGTCCTAGTAAAAAATTAAAAAATTAGGCCCGCT
 GGTGCGAGGGCCTGTAACTCCAGCTACTCAAGAGGTGAGGCCAGGAGAATCTGACCTGGGAGGTG
 GAAGTTGAGCTGGCCAGATCTGCCATTCGACTCCAGCTGAGTGCAGAGCAGACTCTGTCAAA
 AAAATAAAAGGTACTGAAATCCCCCTCTCTCTTGTGTTATTAAGAATTTCCTCTGAAATACCGTGTAA
 AAGCTTAAATGATTTTCCACACTCTTGTGAAAGTATGGCAACCTTCACATTATGATACAAAATTCT
 AACTGGTAAAGCATAAAAATTCTTAAATTGTCGACCAACCTTCACATTATGATACAAAATTCT
 TTCAATAAATGATCTTAAATAACTTGGTTGTGTTGTCATAAATTAAATTAAATTAAAGT
 AAAAAAATTAAAGACATACTTACATCAACAGTTGAGCTTGTGTTGTCATACTGAGCTTGTGTCACAG
 TTCAATCTGTTGGTGTGATATGGGTTGGGCTGTGTTCCGCCAAATCTCATGTCACCTGTAA
 TCCCACTGTGGTGGAGGGCCTGTGGGGAGGTGATGGTACAAGACAGATTTCTCTGGTGTCT
 GTTCTCATGAGAGTGAAGTGAACCTTACATGAGATCTGATGTTATAAAAGGGCATAGCACCTCCCTTCT
 CTCTTCTCTGTCACCCAACTGTAAAGACATGCGTCTCTCTCACCTTGGCATGATTAAAGTT
 CTGGAGGCTCCCAAGGCAAGAATCTGTCAGGCTTGTGAACTTGGCAACCCATTAAGCTTTCTT
 TATAAATTGCGAGTCTCGAGTTATTAATACCAAGTGAAGAGTAGCCTTTTAAATTAATGCAAGTCTT
 TTAGCTTATAAAATTAGTGAAGAGTAGCCTTTTAAATTAATGCAAGTATCTTGTAA
 ATGAGTACATCTCTCTCTCTGTCAGAATTCTGTCAGGAGATCTGAAACTGTGTTCTC
 TATGGAGAACCTTAATTGTTGATTAAATTGTTATAGGCTCATCGGTGTTTCTC
 TTACAATTGGTTGTAAATTATACATCTCTGAGACTTCTTCTCTTGTGTTTCTC
 ATTGACATAAAAGTTGTTATGGTATTAAATTATATGTAATTCTCTGTCATTAATTATGTC
 CTTTCTATTTCCTACTTTTATCTGTCCTCATGTTTCTCATGCAATTCTTCTGGAG
 GTTATTTACTTTCAAAAGATCAAGTTTCATTTTATGGTACTCTCTTATTTATTGTTCTGTC
 TTCAAGTACTCTCTTCTTATTTTATGGTACTCTCTTCTCATGTCATGTTGGGTTTACTTACA
 CATTCTATTAAAGTGGATGCATAGGTTTTCTCAGCTGTTTCTCATACAGACATAAAATCTA
 CAAATCCCCTGAAGGCACTTGGGCTTCCATTGGTGTACCCAAAAGTTTACTTCTTCT
 TAGAAGTATACAAAGTACTCTGATCAAAAGTATACCTAGTGAATTCTTAAATAGTAA
 TAATCCATGAACTATACCAAGATCAAGACATAGTATTCCAGACTCTGTCATTAATTACCCACCTA
 CTTCACATGCTCTGTCCTCAATTAACATACCAAGCTGGGTGCTTAAAGGAAATTGTT
 GCATCTCTGGGCTGGCAGTTGCAATTAGGTGGCCAGATGTCGTTCTAGAGGAGGCCCTCT
 GGGTGTGGACAGCTGCCATCTCTGTGTCCTCATGTCGTTCTCTCGGTGTTAGTCTCTCT
 AAGGGCTTAAATCCCACATGAGGGTCTCCATTCAAGCCATATAACTCAAAATTACCTCCAAAAGGC
 CCCATCTGAAACATATTGGGGTTAGAGCTTCAACATGATGATTCTAAATAGTAA
 CCATACACTTGGCCACAGAAATCTACTATGACTAAGGCCGCTTAACCTCCCTCAGCTTACTCT
 TTAATAGGTTCTCTGCTCTAGGTGCTGATCTCCCTCATCCTCCAGACTCAGGAAATCCAGAT
 ACATAACACATGGCCATTTATCAGAGCAGTACTGACTTTAGAAAATCTGTCATGTCGATATTCTGT
 TCCCTGGACATGTTAAACACTTCTTAAACCTCTGCAATTCAGGACTCTCTCAAGGACC
 TGGGAGCTTCTCCTAAATCATCAAGGAAGATAGCATCTTATTCCTGTTCTGTGGGGAGGGTGGAGA
 ATAATATCAGCGGGCACCTGCTGAGTTGAAATTACCTCTGTCATGAGATATGAGAAAATTAT
 TTTCTCTTGTGAGGTAAGGCAAGTGAAGAAAACCCACATGTCATAACCTCTCCCAACCCAGTTCTCAA
 ACTCTCAGGCCCTTGTGTTAGTGAAGTTGAGCACAGAGTCACTGAGATCTGATCTCTCCCTATGTAATA
 GCATTGAATAAACACTTCTTACAGGCTATCTTAGTCTGTTCAAGGCTGTAACAAAAGGACATAAAATT
 GGTGCTTATAAACACATAAAATTATTCAGGCTCTGCAAACTTGTGAGGCTGGGAAGTCCAAAAGGAC
 ATTATATTGAGTCTGTAAGGGCTTATCTCTGTTATAGATGGCACTTCTACTGTACTCACA
 TGGCAGAGGGCAAGGAGTGTCTCTGGGCCCCCTTTATGAGGACATCAATCCATTATGAGGGCTTT
 TCCCTCAGGACCTAATCACCTCCAAAAGGCTCCACCTTAACTACTGATCATGTCATGTTGGGTTCTC
 ATATAAATTGTTGGAGAGCGCATTCAGGTTATAGGACATGCTTAATTCTGTTAGTGCACAGCTTGC
 TTCAACACTTATTAGGCTTGTGAGTATGGCAATTTTTGTGAGTGTCTTAAATTATCCCAAGGAA
 ATGTAGGAGAACCTTCAGTGTCTCATGTCGCCCCACTCTGTGTTGAGTGTGTTTAAATTAC
 TACTTTGGAGGTGTTGTTGTTATCTACTGTGCAATTGATGAATGTTGATAACTACCAATAACCA
 AACCTTCTTATATTCTCTGGACATTGAAATGTTCTTGTGTTTAAATTACCTGTTGGGAC
 CCAAGAAGCTGCGAGGTTGCAATTGTTACACATCTCTGTCATGGCACTTCCACAGTGTCTT

FIGURE 3 (continued)

TATGACATGCCCTTTAGAGAGTTTCAGCCAATTATTTGGTAGAATATCCCTCAATTCAATGCCGTCT
 GATGTTCTGTACTTACCTCAGGTGCTGATAATGGCAAGAATGTCACAGAAGAAGCTGTGCTCT
 CAGTGTATCCCTGTTAGGAGGCACAAGATGAGAGTTTGTACATTCTGGAGATAATGACACTAAACACA
 GAAGCATTCTTAAAGTTCTGAGGAAAAAATGTTCTAGTGTGCGACCATTTGCTAGATAAAAATGATGT
 AAATAATAAAGTGAATAAAATAAATGAGTCAAGCTTCAATTCTTAAATTCGAAATTTCTGAAATATT
 AAAATAACTTTTATTAAAAATAATACATAGCTTAAAGTGTCTTATCATATACTTTAAATGATG
 TAAAATATCAGTGTATAAAATAGGTATATGCCAACATGAAATAACACAGATTAGTAATGTAATTTA
 GAAGTGCCTTGGAAATACTTAAAGTGTATTGTAATTATTTAATTGCCATAATTCTCAAG
 TTCTCTAGGGCTTTCTCTCTCTATACCGCTTTTTTATATCAATTCAACTTACTGAGAGGAAT
 TTCTAGGGCTTTCTCTCTCTAGGCCAGCTGTTAGCTAGCTGCAAGCTGCGATT
 AACTTAACTGACAAGTGGCTGAAACTCTGGTAAAGTCTCTCTCTATATTAAAGAAAATTATCTGTGA
 GAAAAACACTTAAATTTACCACTATTGTCTCCGGTCTCCTCCTCCTCCTCCTC
 AAATACCTCAATAAAATTTCTTAAAGAGATAATTTTAAACAGAAATCAATCCACCTAG
 GAAAGCAACCCATGCACTGAGGAAAGAGTGTGATATCTCCAGAGGCCAAATAGAATGTAATT
 TAAAATGTCAATGTTAATCTGTGTTATCAATTCTCTGGGCAACAGGATGCCAGACATTGGAACAT
 CATTATGCTGAGTGTCTGGTGGGGTCTGGTGGAGACTGACATTGCAATGGTCAACCAAGTAA
 AGCTGACTGCCCTCTTAACTGTGGTGGGGCTCCCTCAGTCACCAAAAGGCTGCATACACAAAAATGTC
 TGAGTAAGAGGAAATTCTACCTGCTGCTGACACTGGAATTGGAGCATCTGCTCTCTCTGACTGG
 AACTTACCCAGCAGCTCCAGGTTCTCAGGCTTCACTCAGGCTGAAACTCTCAGGCTGAACT
 TGAACTTCCAGCTTCTGCTGACTCTGGTCACTTCTGAGGACTCTGCTGCTGCTGACTTCT
 ATAACAAATAC
 AGTTGGTCTGAGCTTCCACAGATAATACCCCGGGTCTGAGTCTCTGATATAAAATGCCAT
 GGAATTGGCACATAATCTATGCCCTACTCACTGCTCAGGGCTTCCCTCAGTCCCTACCTG
 GAGATGCTCCCCACTCTACTCTTCCACCTGCACTCTCTGACTAACTCTGCTGACTTGTCA
 TTACTCTCTGATTTGGCAGCTCTACACAGGCAACTCTTAAACATGCTCCGGTGGCCCAACTCAG
 CATCAGGAACAGTGTGGTAAAGGGGGCTGACAACTGGAACTGATAAAAAGATAATTAGGGGACAA
 GAAGTGTCTGACTGAAGTGGATTGGAGCTGTTGGAGCAGGACTCTCTGAGGAAAGTGGAGCTGAGG
 CAGGTGCTAGTGGAGCTGGCTGAGAAAGAATGCGAGGAGGAGATGAAATGGCTGAGGCCA
 AGAACGAGGACTCCGGGACTGGTGGCTGAGCTGCCGGGCTTCATTCGGGCTGAGACACCCA
 CAGACCTTATACCGGGGGGGGGCTTCTCTGCTCTCTCTCTCTCAAGGGGACGACCGAG
 GCGCGGGGCGACACAGCGCGCAGCTCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
 GCGGGTGGGGTGGAGTCTCTACCTCTGGAGAGGCTGGGGGGGGGGGGGGGGGGGGGGGG
 GACGCCCTTCCCACCCGACCCCCCTCCCGGCTTCTCAAGGCGCTACCCCGGGGGGGGG
 GACGCCACCGCGGG
 AGGACTCCTTAAACAGTCTGAAAGGGAAAGTGTCTGAAATAACTGGAGGCCCCGGGGGG
 GGTGTTGCAAAAGGACTCATCCAGCTTCTGGGCTTCTGTTCAAGCAAGCAAAAGGGGGGG
 GTGGGACCTGGGCTTCTGTTCAAGCAAGCAAAAGGGGGGGGGGGGGGGGGGGGGGGGG
 AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 GAAATTAATGACATCTCCGACCCCATATACAGAGGCCCCGGTCTCAACTCTGACCTA
 CACCCCTGGGCTGGAGGCCACGGTCTAAGTGTGAGTGGTCTGCTCTGGGCTGACATG
 CGTGCAGACTGGTGGCTGAGACACAGAGTGGCTGGGACACTGCTACGGTCTCT
 GGCAGGGGGGGCTTCTAGGCTGACTCAGCAGGGGGTGTGTCAGAGACTCACATTCT
 TGCCCAACTTCTACCTCTAGGTGAGTGGCTGACAGGGGGGGGGGGGGGGGGGGGG
 GATGTTCCAGAGGAAAGAGAACACAGAACAAATGACTTACTGAGTGAAGAAGC
 GTAGATGGCTCTTCAAGTGGCAAGACTCTGGTCACTCTGAGGCTGGATTAGGTGGGG
 GTGTCAGGGTACAAGTGGAGAAAGCAGGGTCTGGGGGGGGGGGGGGGGGGGGGG
 TGGAGGCTGAGGG
 GAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 GCTCTGGGGCAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 CAAACAGAAAG
 CTCTGATTTTAAATGATGTTCTGAGATAATACACATACATAAAAAGCAGCTT
 CAATGCACTGAGTTTGTATATTCAACAGACTGTCGACACTATC
 CACCACTAATTCTAGGAGCATTAACAA

FIGURE 3 (continued)

AAATTCACTTCTTAGTACTCATTCTGATTCGGTAAAAACAGAGATTGTCAGACTGGTTAAAGTAA
 GACCCAAACATATACTGCTCAAGAAATTCCACCTTGCATTACACAATAGGTTAAAGTAAATGAGG
 TAAATGTCGAACATACTTCTAATCAGAAAGAACTGGGTGACTATAATAACATCTAACAAAGTATA
 TCTCAGAGTGGAGAATATTACTGGAGATGAAGAAGGTTATTCTCATGTATAAAAGGAGGTCAACATCTAC
 ATAGCACTACATCTACATTCTCTGCTAGTAAAGAGAGTGCAGGTTGAGGTGCTTCAAAATG
 AACCATGAGATAAAAAGTCCAACTTGTAGAGAGAGTGCAGGTTGAGGTGCTTCAAAAGACAC
 TGAGCCAATGGGAGAGTGACAGTCAGGCTTTATTCTATTGTGGGGGAGAGGGGAGATTGGA
 GCTGGAGTCTGGAGGAAGGGAGAGCTAGTAAATGGGAAAGCACCAGTATTGAGTCAGTGAGGAGAAA
 GTATCTCAGGCCCTATAAGGGAGTCTGGCAGTGTCCAAACAGGCCCTGCCCATAAAGGGCC
 TCTGAATGGAGGGGCCAGAGCTAGAGATAATGCAAGGCTAGGACAGGGCAGCTGGCCAGGGGCTCAAGC
 CTTGTAGTGGCCCTCCCTCCAGAGATCACAAAGCAGTACAGTCTGGTGGAGAGGGGAGATT
 CACCAAGAGTAAATCTGTAATTCATGTCATATTGTTGGGCTGAAGATTTCTGCT
 AAGTTGACTCTCAACTTCCTTAATTTCTCAGGATCTTGTGAAAGGCAAAAGACTACCTCAT
 GGTCTTAATAATGGAAATTGGGGATTATGACATAACCCGTAATTAGTCTGAGCAGCATGGAC
 AAGTTCACTATTGAAATTTCCAAATAGGATGATAAGGACTCTTGGAGATTAAACATAGGCATGAGC
 CCCCAAACTTCCAGGAGATAAGTGTGTTCAAGGCTCAGCAGAGCTCTGGTAAAGGAGGAGACTCT
 TCCACTTGTCAAGTTCATTGATCAGGTCAGGAGCTGAGCAGACTCTGGTAAAGGAGGAGACTCT
 GCCAGCTGAGTCAGGCTATGCAGCTGCTCAATACTCAACCAAAAGAGCTGAGGTGATCTGTTG
 TGCTCTAAACTAAGGAGTGTGTTAATGACCTCAGTGTGAGTGAAGGACAGGTGCAACACTTCT
 CACTGAGGGACTCTGAGCTGGGAAAACACCCAGACATACATGAGCAAAGGGCTCAGCTGCT
 TCTCACCGGTAAAGCTTCAAGTAAACAGGGTAGGCTGGTTCTGGTCTGGAGCTCATGCCACT
 TGCAACATGCTCTGGGAGGTTGTTGAATATTGAAAAACTCTTATTAAATGCCCATCTGTCAG
 ATTAAAGGCTATCAAAGGAGGTTAAAGGCCCTGTTAGAAAGAAAGAATACTCTAAAGGTATAC
 ATCGGGTTGGGAGTGTAAAGACTCATGACTACCATAAAGGTTCAACCCCTAGAGTCTCTTGTGAGG
 AGTAGGCAGAGCTCCCTGAGTGGAAAGACTGTGCAAGGAGGGCAAGTGGAGGAGAGGAGAAGG
 TCACACCATGAGGCAAAATGGCCAGTAAACGACCCAGGCTCTTCCCAGTGTCTCCATGTGGA
 ACAGGAGATTGAGCAACTAGGAGCTATTGCTTCTACAGTACCCAGGGTCCACATAGGTAACAC
 ATTGGTCCGGGTTGTGTTAGGGCAGCTGAGTCCAGGAGAGGCTCAGTGTGAAAGAAAATGTC
 CATTGAGTGGCATGGCAGCAAAGATTACATATGGGTCAAGGAGTGTGCAATTCAACTACTAG
 TCAACTTCAGCATGGCAGTCGAGTCAGGCCCTACAGGATGTAAGGTTAAAGGCCAGATCACAC
 GACTACCATGAGGAGAGGAGAGGCTGATGCTTCAACTGGGCTTCTGAGTTCAGGACCAA
 AGGTTCTCATGTTATTAGTTCAGGAGACTCTCATGACTGTGCAATGGGCAGTCTGTCCTG
 GAGCAAGAATAGTGTCTTAAATCTTCAAGTGGTAACAGTAAATTTCTGGCTTGGCTTCTCT
 GGTTCATCAAAGTTCTATTGATATTGATATTGATATCTGTCATGGGCTACACGGAGTAAGGAGCAGGG
 CCACCTTGGGAAAATGTTGAGACATGTAAATTGATGGTTATTCTTGTGAAAGTCTTGTAGGAAAATTC
 AGGACTGCAACAGGAGGATAATGGGAGAAGCAAGTGTGCTCCAACTGTGCTGTTAGTGCCT
 CCTGATCTCCCATGTTGGCTCTCAGGAGGGCTCAAAAAGATGAGGGAACTGTGCAATGTCAC
 ATGGAAACTGATTGCAATAATTAAAGGGGGTTGCACTGAGGGAAAAGAGACAGATGGCAAAAT
 CAATCACACAGCAAAATGAGAAGTGCACATTAGGAAATGGCCAGTGAAGACCCCAATTGACACCTGA
 GACATGTAGCCAGGGTGGGATTATATTGTCATTCATCAGGCCACTTCACCTGTTCTTCTGTTAA
 AATATGGGATCATGGCTGGCTTGTAGATGAGTACAGAGCATGGAGAACTCATGCTTCAATTG
 CCCATGTTAGTTGGCTGCAATGTATGTTGGGCTTATTAGTACATGTCAGGAGCAGG
 AGAAATAACAAATATGGTTGGAGGACTGAAGAGTGTGCTGAGTCAGGGAAACATGGGAGTGA
 CTGACTCAAATACAGAGAACTCATCAACTACATTAGGATGCCAGCAGATGCTCTGGATGGGAG
 ACTAGTGTGATCAACTTGGCAGGAAACATCTGGCTTGTGAGGAGTCTGCTCTGAGCAAGT
 TTTAGGCTTGTGTCAGGGCTGGGGGTGGATTATCTTTCATGCTGTGTTGGCATCTTGTGAGAATAAT
 AGTTCATGTCATACAGAGCAGGCTAGGATGGCATCTTGTGTCAGGGCTGGGGCTTCT
 GCAATGAGTTGAATATCTGTTATCTCTGGGAGATGACAATATTCTCATGTTAGTGCACATGCAC
 GGTGCTCATGGCTTGTGAGTGGCTCAATTGCTTGTGAGTCAGGAGCTCTGGTGAAGCACCACAA
 GGATAACAAAGAGCTTATTAGGAGTGAAGTAAATTCTGGCATGTCATGGGAGTGTGAG
 TTTACATGTCAGCACAATTGGCTGGAGTGTGAGTCATCAATGTTGAGACCAATTAACTACAGGCCATGAGT
 CAGTGGAAAATAATGGGGCTCTTGTGAGGAGCTGGGTGAGGCCAACATACTTTAAAGGCTTGTG
 ACATTATGTCGAACCTGGCAAGGGATAGATCTATCTCAGGGTGTATGACAGTGTGACCTCATTCAGCA

FIGURE 3 (continued)

TAGTAAATGTTAATCAAGAGACCCGTCAGTGAACCAGGTTATGTGGCCAGAAGGTCTTGTATCT
 GAGTCCCCATTGCGCAAGTGAAGGCAGTGGCTCATGGACATGCCCTGGGAGGGACAACACTCTG
 AGTCCCTGCCATTGAGTTGAAGGCCAGCTGGCTGGTTACCTGCTCTGTAGAACATTTCAT
 TCACTAGAGAATACTTCAGGCAACCCCACCTGGATATTGAGGGCTCTGCTACTCAATAACATGTTG
 GAATTGGATCATAAAACCTATGTCACAGCGTGAAGTCACTCATCTACCTAGGGCAATA
 ACAGGACAATAATTGTTCTCAAGTGTATGTGCTTCTGCTACTCCCTTCAGTGAACCTCAGGATC
 TTATAAGTTGAAACCCAAACAGTGTCTGTATTTTTTACTATGTAGGGATAGTAAGGAACTGAA
 ATTTGTTGAGACCTGTAAGTCAGGCAATGTGGATCATGGGTCAGGGAAAGGGGGTACTTG
 GATGGCTGTGGTAGCCTGTGAATGGGCCATTGAAACATAGCAGCCTTCTACTAACCTTGTG
 GTGCCCCATCAAATCCACCAAGGGAAATGTGAGCATACAGTAGAATAAGGCCACAAATCAGTG
 CATCCTTTTATTGTCGGGAGCACGCCAAAGCTTGGCAGTCATCTCTAACAGATGTTG
 GCCACTGGCCAGATAACACCGGAAATTCTGGGCTCTGTCTGTGTTAATGGTGTAGTGGGTTG
 TCGCTGAAAGTCATGCTCCAAAGCACCCTAGTCTTGGCAATGCTTGGGTTTGGGTTCAAGGA
 GGATGTCATCAATAAGTCAAGGCTAGTGTCTTCCAGGCAAGGAACTCTCCCCAGGACATAACCTAT
 TCAATTGATGGCAGTGTGGGAAATTAGTGTCACTTGTGAAGGACATTAAGGTTGATTGCCAACCA
 TTCCACATAAGGCAACTGTATCTGGACTCTCGTGGGAGGATCTGGAAAAAGGCAATTGATGATAT
 CAACTGCCCCATACCAAGTCTCCCTCAGTACCTCTGTAGAACTCAAATGTCAGATACTGCCAATGCAA
 AGAATGCCAACAGGCCAGCTGAGCCCTGTAAAGACAGGATCAACAGGTTAGCTGGCCATGTGCG
 AGGCCAGAACAGGACTCTAGTGTGAGGAAAGCTTCTCAGGAACTTGGCTCAAGGTTAGCAATTGAAAC
 CAGCCAAATGTCCCATAAAACCTATTTATGGTTTATTTGAAAAGCAATAAAATTAAACCTCATAG
 TCTTAAACCTCAAGGAAATTAGTGTCACTTGTGGCTTCTCAGGAGGCAACCCTAGTGTGCGA
 TATTATCAAGCAGCTAAACCCACCGGCTACACATCGACAGGAAACCCGACCCCTACCCAT
 ATGATGCCACTCGAACCCACTGCTTCTGGACCAATTCTCTCTTACTCTCTCTAACTCTGTT
 TCCCCACACATGGTACATTCTCTCTGTATATAAACTCTCAATTCTTACTCTCTCTGTT
 TGAGACTTATCTCCCATCTCTCAGCTGTAGCACCCTAAAGATTCTCTCTGTCTTGGCAATACTCAT
 TGCTCACTGATTGGCTTCTCTGTGAGTGAACAGAAGGACTCTAGATGGAATTCTCTGTGTTTGTGACA
 TAATGACAGCAGCTTATTTTCTCTCTAAAGCAGGTTGGGATACAAATGGCCTAGGGCAGACTTGG
 GTACACTCAGCCTTCCCATCTGCCCAACTAGATGACCTCAAGTGTGCAAACTTCTCATCGGGATTGAG
 GTGGTAGAGGCACTAGGGCCATATAGACAACTATACCTACAAAGAACATGCACTGAGTCATGGAGCCAT
 AACGTAAGGGCCTAGGGGCCAAAGGCTCTCCCAAGAGCACAGGAGCTGGGTGCTCACAGCC
 TAAACAGAGAACATTATCTGTTCTCCCTCATCTGTGCGAGGGATTGGGGATCAGAGGTTGAGCT
 GCACAGATGTTGCACTGGCAAGAGGACATTCTCCCACTCTCTCACTGAGTCACTGGCTAG
 GGCCTCTAGTCATCTCTGGGACAGGGGACCTCAGCTTACCCCCCTAGTCTGTGTTAATTGAAAAGCT
 AGCTGTGTTGGGAGAGGATCGTGAGGCTCTCAAGTCACTCCAGAGTCACTGGGAGGGATGACAACAG
 CATAATGCTTAATGTCATGGGCCATACCATGCAAACTCTCTGTGAGCTGCCCTGTGGGCCCCCA
 TGGTCTGGTATCTGGTGGAAAGTCATGCTCTAGTGTCACTGGCTAGTAGAGGGCCGGGATAGTCATCTTGCTC
 CAGAGAGCAATTGGGAATGTCATGCTCTAGTGTCACTGGCTAGTAGAGGGCCGGGATAGTCATCTTGCTC
 CTTGCTCTGCAATCTGTTCTTGTGGAGGACGCCACTCTTCTCATGCTTGGGTTACCTGGCTGATAACAGCAGTGTGG
 GGATTGTTGCTGGGAGGGACTCTGGCTTACCTGGGTTGATAACAGCAGTGTGG
 ATAAAATCTTGAATCTGAGTCTGTGAACACTCTTATCTCTCTGTCTTCCCAAGGCCCCCTAGTGTAGA
 CCCAGGGACCCCAAGGGTGTAGCTGGGGCTATATACCTCTCTGGCAAGGGCATCCAGAGTGT
 AATGGCATGGCTCTGGTACAGTGTACAAACCTGCCAGATCTGTGCGAGGCCAAAGTAGTACCCAGCTGA
 GGACCAATGATCCCCCTGGAAACCGAAAAGCTCTGTAAACACACATGACAACTCTAAGGGTGGCCCT
 GCGGGTCCACTGCCACCTCCAGAACCCGGTGGCATGCTGGCAAGTGTCTCGGTACCCCTCAGACT
 CTTGCGAGATGAAACCACAGCACCTCTAGTGTGCTCTGAAGGACTTTAGGCTTGTGTTTCCAAAAG
 GCATTGCTGTTAATGGACCAACTGCTCTGGCAAGACTCTTGTGTTAATGGGTTGATAACAGCAGTGTGG
 GGGCATGTTGAGTACTTCAGGTGTTAAGGTTGGAATTAGGCAACTAGCCCCACTGAGAACA
 GTCAAGCTTATTTGTTACTGTGATAAGAAGAGGCTACCCAGGACATGGCTTCTTCTGCT
 GAACAGCACCAGGAAGGGTCAGATGACAAGCAGCAGAGGGGGAGAATTGCTCATGGCTAGAAAGTCCC
 AAACGCAAGGTTCTGCCATTGTTGAGACCCAGGAGCAAGGGGGAGGAGCAGGGAGGGATGGGATGGGG
 AGGATGAGCTAGAAGTGGAAAAGTACTGAGTGTGAGCTGAGTGTGCAAGAGAGAGAGAGAGAGAGAG
 ATAAAGAAGTGTCTCTGAGCTGGAAACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG
 CTCTGAGTGTGAGCTGTGAGCTGGAAACAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

AGGTATACATCACCAATTGGATCAAACAGATTATATTCCTCAAATCACTCCAGAAGATAAAGTCC
 AACTGTGTACATCTCTAGATGATAATCATGCACTAATAACCCACTTAAACAAAAGTTA
 ATCTACGCCCCACATGCTATTTAAATAATGTTAGCAAAGTTAAATGTAACAAAATTGGAATA
 TTTGCTTCTTGTGGACAGAAATTATCTTATCTACTTAAAGATGTAATTGGCAGACTGTT
 TGATGATCTGATCTAGAAAATACTCTATGGCTTGACTCTCCCTTACATCCCTAAACATCAGAGGAGATGATCTG
 TCCACACATTCACCTTCTACCCCTTCTGCTCTCTCCTGAGCTGCTCTCTCTACCTCC
 AGCTCCACAGGCCCTGAGAGAAAAGTCAAGAGAACAGCTGTGAAAGCAGGAAACACACT
 GTTCTCTTCTTGTGACAGCACACATACCTGGGACATCTGGGCTCAGTGCTTCTCTTGGCCCAT
 GAAGACCATGGCCAGGGCAGAGGAGATGCTATGGGAGAGAAATACTTCTTGAGTTGCTCTTCC
 CCCAATTTAAATAAGCTGATGCCAAAGTCCATTGGCTCACAGGAGGATCTCCATAGAGAACGTC
 TGCACTAAAGGACACGGGAAAGCATAACGAACTGACTCCGGTAGCACGAGCTTATC
 CAGTCAGTGGACGCTGAGGGTGTAGGGAAAGACCCCTCCTAAAGACTTCCACTCTAATCCCAA
 CCTGTACTCATGATGTTACGGCAATAAGACTTGTGAAATGGTATCTGTTAAAGTATTGAGATC
 TGAGATTATCTGAGTTATCCCTGGGCTTAACTGGAATCACGGCTCTTAAAGAGAGGAGGGAG
 GGGCAGACTCAGAGAGAACAGATGAGGACAGGAGGAGGAGGAGGAGGAGGAG
 ATGCAACCTTCGAGAAGGCCAGAAGGAAACGATTTCTTAGAGACTCCGAAAATAACAT
 TGCTATGCTGACCTTGGACTTGGACTTCAGAACCTATAAGATAATAATGTTGCTATTTCAG
 CCACATAATTGTTGGTAAAGTGTATACACAAATAAGGAAACAAAACACTGTTTATCTATAAATAGC
 CAATCTAGGGCTATGACTGTGATCTCTTCTAGCACAGGGGCAAGACACCCCTGCAACCTGCTTAC
 TTCCCTCTTGTATAGCAGGCCAAAGGTTCTGTGCGACGGGTGTGGCTCTCACCTGTAATC
 CCAGCACTTGGAAACAGGCAAGGAGCAGATCACTGGGTTAGGTGAGGCTCAGGAGGATAGGGCCACTGTGTAAGGA
 GGTAAACCCCTCTTATGGAAATAATACTTACAGGCTATGGGGGCAACCTGTAATCCAGC
 TACTTGGAGGCTGAGGCAAGGAAATCACTTGAGCCCCAGGAGGTTGAGGCTGAGAGGAGGAGATCAC
 GGCATCTGACTCCGGCTGGCAAGACTGAGACTCCATCTCAGGAAAGGAAACAAAAGATCTGGTGC
 CAGGCACTGTTTCACTCTTCCATTATCACCCAAATACACATGAGGTCAGTATGGTTATGGCC
 TTAGAGATGAGAAGACTGAGTGAGGTTAGTAACCTTACCTTCAAGAACCCCTAGGAGTGTATAAACGCTG
 GCAGGCAACTTGGATCTGGCCAGGCTGATTCTTACCTTACAGGCTTGGGAGGACTCTTAACTGCTTAATTA
 TCTTTCAGTTAAATGTCCTAAATAATCTATAAGATGTTCTAAACAAATTATGTAATCTTATTC
 AATAAAAATCTGATTCTGTCATCCTCTGTTGAAACAGCTAGATACCTTACCCAAATTGGAGGGT
 TTGTTGAGATAGGCTGGCTGAAATATGAGGCTACTGGAAAGGACAAAAAAATAACTTCTTAA
 AGTGAATCTAAAAGATGCCCTTCTTCCAAAGACTGAGACTGCTGAAACTGGGTTACGGAGTTGCAAGAAAG
 TCCATAGGGCTGATATAAAATGAGGCTTAACTTGTGCTTACGGAGGACTCTTAACTGATCTCAT
 TGATTCTTGGATCTCTGGCTAGGGGCTTAACTTCTGAAATTAACTTACAGGACACCT
 AAACTGACTAAATAACAAACTAAACGGCTCTCTGCTCTAGGCCCTTCTCTTCTAA
 GCATTTTATTTAGAGAACTTGTCTTGTGAAATCTTCTGACGCCCTTGGAGATGTAATACTTAA
 AGCTTCTGCTAGTTTACATCTCAGGAGACTCTCAAAAGCTGGGAGGACATCTTCTGAAATGTAAT
 CATCAAGAAGATAGCATCTCTATCACCGAGTCTGTGAGGCTAATCTAGGGGGGACCTT
 GCTTAAAGTCTTAAAGGACTTACAGTTACTTATTTTAAATTTAGTGTGATTATAAGTCTTACA
 TTGTTGTTTATCTTAAACCCCTATAAAACAGTGGGCTTCTTCTATAAAATTTAGCTCAGTCTC
 ATCTCAATTCTCTGAGGCTTTTGTCTTACATGAGAACATTGGGAAATAAAAGGACAAATCATT
 ATCTTAAATCTGATGTCCTACAGATAATTCTTCTATATACTTCTCTTCTGATAACATGTT
 TTAACTGAAAGTGTGAAACAGATAAAAGAAAATATGCTCAGTTGGAAAATTGCAAAATGAGAAAATG
 AAAAGTCTGGAAACACTCTTACAGATAAAATCTGTCATGTTCTGTTCTTCTATAACAGATGGAG
 CCTCATCCAGTTTCCAGGGGCTACAAAGTGTGCTGTGAGCAGCTGAAACTGTTGCTTCTAGGG
 GGGCTTGGACAGGTCTCTGGCTCTTCTAGAGCACAGGAGGAAAGGGGAAATTGAGTGGCTGAGAACAGG
 AAGTGGGAAACAACTGATTAAACCAAGTATCTTCACTGTGAGTTGCTTCTCTCAAGAATATT
 GCTTCTCTTAAAGATTTTCAACAGAAGGGTGTCTCTTCTACTTAAACAAAAGTGA
 TTAAAGTGTGAAAGGCAACACTTAAATATGAGAACACAGTCTAAAGCAGTGCAATTCTTAAAGTT
 AAAATAATGTTAGTGAGTTCAGTTGAGAAAAGAAGTAAAGTGGGTTAGGGTTAGGGTTAGGAAACACTA
 AGTAAATAAAATGTAACCAAAACAACTGAGCATATACTGCAACAGTACTCTATACTTAAAGA
 GGGTTTATATGAAACAAAATATCTCTGTTCTACTTACATCTCTACATGAGCTCTCCAGAG
 ATACTAGGGCTGAGTGTGAGGAGAGAGTAGTGTGAGGAGCTGAGGAGCTCCGGGGCTCCACAAACCT
 CATCTTCACTGAGGAGCATTTCTAGAGACTGGGGAGGAGGAATTTAGCAGTCTCAGACTGGG

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

FIGURE 3 (continued)

GGTATGTAATCAATAATGGGATTGCTGGTCAAATGGCAATTCTCTTTAATTTCTTGAGAAATCACCA
 AAGTCCTTCCACAGTGGCTGAACATAATTACATCCACCGAGCCGATGGAGGTGTTCTCTCTGTG
 CAGCTTCACCAAGCATCTGTTTTGACATTAAACAGCCATTCTGAATGGTGTGAGATGGTATCTCA
 TCATGTTTGTGATTGAAATTCTCTAAATGATTAGTGTGTTGGCAATGTTTCTTAGGCTTGTGGCCAC
 GCATATGTCATCTTGTGAAATTAGTGTGTCATGTCATGGGCACTTTTAATAGTGTGAGATGGTGTG
 GTTTTGTGCTTAATTTAAGTGTGTTTTTAATAGATCTGTGATATTAGACCTCTCATAGGCCA
 TAGTTGCAAAATTTCTCATTCTATAGGTGTGTTTACACTGTGATAGTTCTTTGCCCTG
 AGAACATTCTCAGTTACTTATGCCATATCTCAATTTCCTAGGAGGGCTAGAGCAATTACTT
 GTCTCATAAATTTGCCAAATCTGTGTCAGAAATGTTATTCTCTAGGAGGGCTAGAGCAATTACTT
 CTCCAGGACACCAACTGTGCTCTACTGGGGCTGGCTGGCTGTGCTGACAGGGCCCAAG
 GCTTGTAGGGTCCCCCTGGACTCCAGAAATTCTCCCTGGAAAACGTCAGGTGCACTCTGCCCTG
 AAAAGCACAGTGGGGAAATGGGGGGACAGGAGGATTCTCCCATTTCAATCTGCAATGGCTCTG
 GGACAGTGTGAACTCTACTCATCTCCCATTTGTAGGGGCTCTCTG
 GCACGTATCCCAGACAGCTGGTGCCTGAGATTCTCTGTGCTGTGTTCTCTGCTGCTGAGA
 TGGATCTGCACATGGTTCTCAGATGATGGCTTCTAGGCTAGTGTACTACCCCTTTGTTCT
 CGGTGACGCCAGCATGGAGCTCTTGTGGCTTGTGGCTGTGGCTGTGCTGACAGGGCCCAAG
 TTAAACATTATGCGATTCTGCTGTGTTGGTGGACTCTGGGATCTTAAATACCCCTGCAAGATGTA
 ATGGTACAAAATCTGGAGGCAATTGGCAATCATCTACATATGGCAACAAAGCTTCTTCCCTC
 CTCTCTACAAAATCTGGAGGCAATTGGCAATCATCTACATATGGCAACAAAGCTTCTTCCCTC
 CTGTAATGGCCAGACTAAATAGCTTAATCTGCTGCAATGCAAGAAAGTCTTATATACCTG
 GCCATACCTTGGAAATACCCAGAACAGGTTAAAGAGTAAATCAGACATCCACATATACTGAGATGGAGA
 ATTTAGGACATTTTAAAGGAAAGCTACAAAGTATAAAACATATGCAATGACAAATACATACAT
 AGGAGAAAACCTATGAGCAAAGTTTATATGAGGAGGAAACATCAAAATCTGAGAAAGCTTCAAC
 GTTAAAGGAGGAGGAGTGTGCTGATGAAAGAAGCTGTGACATCTGGTGTGTTGTGTTGT
 TTTAAATAACAGAAAGTACTTCTGGTACTTTCTTTCTTAAAGAAAGTCTTATGCTGAAACATCTAGTCA
 GCGAATGCAACAGTGTAAATTAGGCAAAATTAGTTTAAAGATTTCTGCTGAAACATCTAGTCAAA
 CTATTAATGCAATCATATTAGTGTGTCATGCAAAATTTAAAATATCTGCAAAACAAATTAGGAGA
 AACAGCTTCTTACACCATCTTGTGGCTGATTCTTACACTGTGTTACGCTCTGTGCTGTT
 TTTATGAGATTATCTATTAAAGCTTACAAAATTCTGAAACGGTATTGCTATATAGCTGTGCTACA
 GATGTCACACTGAACTACAAGATGCTGTGAGATTGCTGGCTGGAGTTCTGAGGACCCAGTC
 GGAATTCTAGGCCATATTCTCTACTTCCACCAATTCTGCTATCTTATTTCTAAATAAAG
 TATGACTTACTGTGAGGAAATCTAAAGACTTTCTCAAAGAGGCCGTGGCAGTTCTAACACATATT
 AGTGTGTTCTGTGTTATTGCAAAAGAGTGTACTGAAACCTCTGAGAATATCTCCATCTGCC
 ATTATTAACAAACAAAGTGTGCTGAAAATAAAATAAAACATACATCTCTGAGTTCTGTGACTT
 CAAAATAGGACACAAAGTAAACTCAGCAATATGGAGATTCTACAGCTTACTACAGCTTAAAGATGA
 TCAATCTAAATAAGAGTGTCTCAAAGAACCCAGCTGTGCTGCTTACCTATGCCCTCTG
 TCCCTAAAGCACATCTAAAGAACCGAATGTTCTAAAGTATGGTATAAGTGGATATGCCCTT
 AACCCATGAGTGTGACCCAGGTCAACAGGTTGAAAGAACCGAGCTGGCAATTCTC
 ATGTTGCTCTGCTCTGCTACATACATGGTCTCTGACACTAAAGATGGAGTCTCTCTCCCTCT
 AATCTGGCTGGCATGTGACTTGTCTTAAACAGCAGAAATGCAAGACTGGCTCTGTTCAAGGCTTAGCC
 TTTAAAAGTGTGGCAGCTTCCACTTCCCTCTGTGAACTCAGCTTACGGCTGGCTGAGGCCCAGCTA
 TCTCTGGAGGAAAGACCACTAAAGAGGAAATGGGAAAGACTGTGTTAGGGAACCTGAGGGCCATCT
 AGCCAGACCAAGGCCAGACATGGAGTGGTATCTCTGTGACCTTCTAGGCCAGTTGCTGAGG
 ACCCCAGTGTGACCCAGGTCAACAGGTTGAAAGAACATGCTCCATCTGCCAATTCTC
 CATCACATCTGTGAGACTACCAAGGTGTGTTAAAGAGGAAATTCTCAAGACTGTGAAATGAGA
 ACTCCAGCTCAACTGATAATGTGACTTATTGTGTTCTGAAGTGTGCTTACGTAACGACATC
 TGAGCTGAGTTCTGCTTCTGCCCCATGAAAACCTGGCAAGGCTGATGATATGCTCATGGGAAA
 AAATAAGTGTGTTGAGTTGTTCTCTGCTGACTTTCTAAAGGTTAAATGCAATGTCATTGCTCT
 GATAGAGGAGTCCATGACGGTGGAGCCCTGAAACAAATGGGTTTTAAACAAATTACATTAATAGGCTTAC
 ATGTTGTTACTTCACTTATTTTAACTGTTAAATGGATACTTGTGTTCTGATGAAACAAATAGGTA
 CACACACAAAACACTACATAGGGCTTCTTCTACAGATGTGATTTAAATCCATACAAGCTGATGAGATAGG
 GAGATCACTCAACTACAAACAGAAAATGAGCTTGAAGAAACAGGCTTGTGTTGTTCAAGGCTCTT

FIGURE 3 (continued)

AATCACCATGGTATAAGGACTTATAACAAAAGCAGCAGCAGAAAGCAAGAAAGTACTTGCCTAAACAT
 GAAATTGTAAAGAAGAAAAACTATTGATTCCTAAATCTGGTAAATAGGTATTCCTCTTATATTCCATA
 TGTGATTATGTAAATTGGACACCAATATTCTCAGATGTAACTTAGAATTATGTTTTATAATGGAGG
 AAAGAACACAGGGCTGGGAGACGGTAGGAAAAAAAGAAATGCATGAAAATATTATACCTTTAGGATGA
 AAAATTCCATTCAAGAAATTCTACTAAAGATAAACGTCACAGTACTGTAAAAACAGATGCGAGAAAG
 ATGACTACTGAGACTTATATGCTACAGAGAAAATTTAAATACCCAGCAACAGAGAACCCAGTTGA
 TTCTGTCAAATCCATGATTGAAATTAATGGAGATAAATTAAACAGTCATGCGATGAGAAATACAA
 TTTAACTATAAAATTAAAGATAATCTGATAAGTAACTATAGATAAAAAGACTACAGGAAACA
 CTGAAACATCACATTTCTGGATAATGAGTAATTCTAATTTTATATATCCTTGCTATTTCCTAC
 ATGCGCTTATTTCTTCAGTGTCTTGTGATTGGAAATTAAATGGGTTAGGGCATGTAGT
 TGAAAAGTAGATAAACACTAGGGAGATCTTTTTTATTATAACTTTAAGTTTGGGTACATGT
 GCACATTGTGCGAGTTAGTTATGTATACATGTGCCATGCGGTGACTGCACCCACTAATCGTCATCTA
 GCATTAGGTATATCCTCCAACTGCTATCCCTCCCCCCTCCCCCACCACAGCTCCAGGTGTTGAT
 ATTCCCTTCCTGTGTCATGTCTATGTCATTCCTAACTCCACATGTAGTGTAGAATATGGGTTTGT
 GTTTTTGTTCTTCGATAGTTACTGAGAATTGTGATTTCCTAACTTCATCCATGTCCTTACAAAGGACA
 TGAACTCATATTTTTATGGCTGCACTAGTATTCCTATGGTGTACACAAATCAACCAAGTGTCTCCACT
 ACTCCAAACTCCCAGAACACATCAAACCTCAGTCACCCCTTCTCTGTTAGTTACTTCTATATTAGA
 AATAATTGTGTTATGTACTATTTTAACCCAAATTTTGACATTATAAAATTGCTTCTCAATTAGGG
 CTGATGATTAATTCTTTACTTACCTACCGTACTTCATCTCCCTCTCCAAAGTGTGTTTGTGAA
 CTAATAAGTATTCTCGCTGTAAGCCTAAATCAATAATGGATGCTTGTCTTTTACAGCTGTTTT
 CCTTATGTCACTATTGCTTCCCTCTTTCTGTTCTACTTTTAAATAAATCTATGCGAACATTCCCTC
 CCACAAATTATCTACAGATCTAACAGCTTCTGAGTAATTCTCTGTTATGCTCAACCCATATGAGTA
 ATCTATCACTCCATTCTCATCTCCACAGTTCCCTCTGCTGAGTGCAGGTTTATTAGTGT
 AAAGATTCTCCCGAAGCAAGAATTCTACAAACAGAGAACATTCTGAGTAACTTCTCTTATTAGTCTT
 GTCAATGATCAATTAAATTCTCTGTTAACTTGGTAAACAAATTGTTCTCTAAACTTTAAAGCCTACTGC
 TAACACAGCAAATACGTTATTAAACATTAAAGCATTGATGATAAGCTTAATGTAGTGTAA
 AGATGTAATCTACTTAAAGAACAACTTACAAATAACTTACATTAACTTAAAGCTTGTGAA
 TAATAACGTAATAAAACACTATTAACTTAACTTAAAGTACTGAGTTCTCTAAAGACTTTAAACATGTT
 TAAATAACACTGTACACAGTGATTATAAAACTTCTGACCCCACTAGTAATCTGTGGGTTT
 ATACACTTCTCTCTACTCTCTTCTTCTAGGGTAGTGTAACTGCTTATTAAACTTCT
 TGGGGTAAATTAAACAGACCATCTCTTCTACACAAACAAATAGGAGTGGGCTGCCAGATTGTT
 TGGGACATGGGCTCTGACTGACCTGACACTGCTACTTTCTAGCTACTGTGCTTAAAGGCAACAA
 TGTAGGACCATTTGCTGTTCTGACTCTGGGTTCTGAAAGACAACATTAAATTGCTTCTT
 CTTTTTTGCGAAATGCCATTCTGAAATGAAATACTATTGAGGTTCTGTCATGATTGCGTA
 ACACAGAGTCTACAAAGCTTGGCTTCAAGTCTCTGTTTAAATTAGGCTTCAAGGGTT
 TTGTAACCACTGTGCTGTCATCTGAACTTGGCTCTAGTCCTACTTCTCACACAGCTGCTTATGAACT
 ATCACACAGCATTTCTGTAACATTATTGAAATTATTCTCTGCCTCTTAAACTCATCTTACATT
 TTTTTTTTTTTTTTTTGAGGAGAGTCTGCTTGGCTCTGAGCTGGAGTGTGCAAT
 CTGGCTCATCTGCAACCTCTGCTTCCAGGTTCTGACCTTCAGGCTTCTGCTCAGCTCTGAGTACTGG
 ACTACAGGCCCCATGTCAGACACCCGGCTAATTTTGTTATTTAGTAGAGACTGGTTTACCCATATTG
 GCCAGGCTGGGCTCTGAGGAGTCTGACTGCTGATGCCCTCCAGGCTTCCAGGCTTCAAGTGTGGGATTACA
 AGCGTAGGCCACCGGCCATTCTGCCCCATTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTT
 TTGTGTAACATGTATTCTCAAAACACATACTGTTTGTCTGAGCTTTGCTTCTGCTTCTGCTT
 CTGGAAATCTCTGTAATTGGTACTCTCTTCTACTATCCAAACACTTCTGCTTCTGCTTCTGCTT
 TGGCTCTATTGATTTTCTCAGTCCAAACACATACTATCAACGCCCTCTGCTTCTGCTTCTGCTT
 AGGAGGAATGTCAAGTACAAATTCTGAAATACTGAGAGACATACGAGTTCTGGTACCGGAA
 CTGAGGAAATCTGCTGAGCTTACTGGGCTTCCCTTCTGAGGTTCTGGGCTTCTGCTTCTGCTT
 CTGCTTGTGTTCTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGCTT
 CTGGAGGCCATTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGAGGAGTCTGCTT
 CCAGCTCCGGGCCCCATTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTT
 AGGCAAGTCTCTGCTTCTGAGGAGCCCCCGCAGAGACCCAGTAAAGAAGGAGACGGCCCAAGGGAA
 TGGAGCAACAGGTGCGCTGAGCACTTACTGGGCTTCCCTTCTGAGGTTCTGGGCTTCTGCTT
 AAGGAGGAGTAACGGAAGTAACTCAGGAGTGTGAGGAAACCTCCAAAGTCAACACCTACCCAG
 GCAGCTGCCAGGAGGCGAGTGAACGGGGTCTGGAGAGGCGGGAAATAGAGATGTCTGAGGCGCGGGGT

FIGURE 3 (continued)

GTTAGTCCCGATGAAATGGGGAGGGGGGGAGTCGGGCCAGGCCAGGCCACCTAGCGGGCGCTGG
 CAGGAGGCGGGCGGGTCCCGCAGGCCGGGATCTCTGATGTGCGAGGAAGTGGCAATCTCTGTGC
 AGGAAAAAGCCCAACTGTCGGGAGTTTCACTGAAAGCGATAATGCGCTTGGCTATTGGGTTT
 TTCTGGTGGCCATACAAATTATAGGGTTTTTTTTCTATTCTGTGAAAGAATGACATTGGTATT
 GACAGGAGTGGCATTCATCTGTAAATTGTTGGTGTGATTCTACGTTTCTCATCAGTGTATAGTT
 ATGAGCATGAATATGTGTCATTTCTGTGTGTACAGTGTATTTACATCATTCTTCTAG
 CCTTGTAGAAGCTTACATTTTAAATTAGGTTACTAGGTATTAACTATCTTCTTGT
 CTATTGTAGTGGGATTCTTCTTGTGATTCTTCTAGACTGTTCAGTGTACACTGTAGATGTAGACATT
 GGATATTATATCATTGTATTCTGCAACTTACTGATTCACTTACTGATTCTAGTTAGG
 GGAGCTTCTTGGGTTTCCGATTATAAGATTACATTGGTGAAGCAAGGCTAATTTCACATTCTTCTT
 CCAGTGTGGGTCCTCTTGTCTTTCTTCTGCTTACAGGCTTCCAGGACTTCAGATCTG
 ATAAAGGGGTCAAAGTGGCATCTTGTCTTGTGTTGAGATCTTATAGGAAAGGTTTCAATTCTTCCCT
 GTTCACTGATGATTAAGCTGGTTTCTTGTCTTGTGTTTGTGTTTGTGAGGTTATCTTCTTCTAC
 CCAATGTTAAAGGTTTATCATAAAGAGATGTAGGTTTACTGAAACATTTCCGCATCTTGA
 AATGATCTGCACTGTTGGTGTGTTCTTAACTGCAATGTCATTGCAATTGTTGTTGTTATTTG
 AATCATCTGCACTCCGGGTGAACTCCTACTGATCTGTTGAGTCTGTTAATGTTGTTGTTAAT
 TGGAGTTGCTGAACTTTTGTGAGATTCTTCTGTTTACTGTTGATATGCGGATTCTTGTGATT
 TTCAAAATGTTGAATTAGTCTGTACACCTGCAATCTTACTGTCACAACTGTTAATCTTCAACTATT
 TTACACATGTTGATTCTTCTTGTAAATGTTGCTTGTGTTTGTGATCTATCTAACTGAAGATATT
 GGTCTTAAAGGTTCTTCTTCTTGTAAATGTTGCTTGTGTTTGTGATCTAGACTAACTCCAGG
 ATGAATTAGAAGAATGTTCTCTCTCTCTGATTCTTCTGAAAGGAGTTAGAGAAATGGGATAACGTT
 TTAAATTCTTGTGAGGTTTAACTGGCTTCTGGTGTGTTAATTTAGTGTGCTTAAATTA
 TTGATTAATTCTTGTGAGGCTATTCAATGTTCTTCTCTGTGTTGACTTTGGGGA
 TTGCTCTTCAAGAAATTGATCCTGCACTGTTTCAAAATTGTGGGACAGGACTGCTCTGG
 TTCAACATTGTTGATTCTTACTGTCACGGGTTTTGACATTCTACCTTCTTGTGATCTTACTAA
 ATTCTTATTGATTCTTACTGTCACGGGTTTTGCTTGTGTTTGTGATCTGAGTAA
 TTTAGGTTTCTTGTGTTTGTGTTTGTGTTTGTGATCTTCTGCCCCATTTTTATTGTTGTT
 GCTTGTGTTTGTGTTTGTGTTTGTGTTTGTGTTTGTGATCTTCTGCCCCATTTTTATTGTTGTT
 AGTTTTAAAACAAGTTCTACTTTTAACTGTCATTCATGCTTCTGTTGTTGACTTTGGGGA
 CTCACATTGCTTCAAGGCCAGAAATGTTAAGTGTCAAACTGTTAATGTTGCTCTGG
 ATTGTTTAAACTACTGAAATTAATCATCTGTGATGAACTTCACTTAACTCACTACATTAGTTAA
 TTTAGGTTTCTTGTGTTTGTGTTTGTGTTTGTGATCTTCTGCCCCATTTTTATTGTTGTT
 GCTTGTGTTTGTGTTTGTGTTTGTGTTTGTGATCTTCTGCCCCATTTTTATTGTTGTT
 AGTTTTAAAACAAGTTCTACTTTTAACTGTCATTCATGCTTCTGTTGTTGACTTTGGGGA
 CTCACATTGCTTCAAGGCCAGAAATGTTAAGTGTCAAACTGTTAATGTTGCTCTGG
 ATTGTTTAAACTACTGAAATTAATCATCTGTGATGAACTTCACTTAACTCACTACATTAGTTAA
 ATCTTATATTTAAAACAACCTTCTTACTTCTTGTGTTTGTGATCTTCTGCCCCATTTTTATTGTT
 AATGCAAACGTATGACATACGGTAGATCAATGTCATGGAACATGGAAACTGAGGAGGGC
 AGAGAGAGGTTGGGAGAGGAGCTATAAGAGGAAGGGGATCTTGTGTTGATGGGATATGTC
 ATTCATTGTTTACAGGTTGAGTGTGTTAATCTACATGTTGTTGTTGTTGTTGTTGTT
 TTTGATTAATTAAATTCTTACTGTTAATTATTAATCTACATGTTGTTGTTGTTGTTGTT
 CAGGTTTGTGTTGAGTGTGTTAATCACATGCCATGGTTTACTGACCCATCAATCTG
 GTATTCTCTTCAATGTCACCTTCCCTGACAGCCCCCAGTGTGTTGATGTT
 CCCCTGTGTCATGTTCTCATGTTCAACTCCACCTTGAGTGAAGAACATGCGGTGTTGTTCTG
 TCTCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT
 ATAGTATTCTCATGGTGTATGTCACATTCTTCTTACTGTCATCTGTTGATGGGATTGAGTTGG
 TTCAAGTCTTGTCTTGTGTTGAAACAGTGGCAAAATAATACATGTTGCTTGTGTTGTTG
 ATTATAATTCTTGGGTATATACCCAGTAATGGGATTGTTGTTGATCTGTTGTTGTTG
 CTTGAGAAATTACACCCAGCTCTCCACATGGTGAACTAATTACACTCCACCAACAGTGTAAAGT
 ATTCTTATTCTCCACATCTCTCTAGCACCCTGTGTTGTTCTGACTTTTAATGATGTC
 CGGTGAGATGGTATCTCATGTTGTTGTTGATCTGTTGATCTGCCCCACTTTT
 ATATGTTGTCGCCATAATGTCCTTCTTAAAGAGCTGTCATCTGTTGATCTGCCCC
 ATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT
 CAGATGGGATAGATGCCCCAAATTCTCTCCACATGTTGTTGTTGTTGTTGTTGTT
 TTGCTGTCGATGAGCTGGGATCCCATGTCATTTGGCTTGTGTTGTTGTTGTTGTT
 ATGAGCTTCTTCACATGCCCCACTTGTGTCATGTTGTTGTTGTTGTTGTTGTT
 TAGGCTTACATTAAACTTTTACATCTGTTGTTGTTGTTGTTGTTGTTGTTGTT

FIGURE 3 (continued)

FIGURE 3 (continued)

CTTTCAGGTACCAAACTAGATGATTTGGCTTTTACACATAGTCTATATTCTGGAGGCTTGT
 TTTTTTTCTTACTGTTTTCTCTAAACTCTTTCGTTCATTCATTGATCTTCAATCA
 CTTATACCCCTTCTCCAGTGTACAAATCAGCATGTCATGTCATGTCATGTCAGTTCTCGCCA
 TGAGTTTCAGCTCCATTAGGTCAATTAGGTTCTACGCTGTTATTCAGTTAGGACCTTCGCTCAA
 TCTTTTCAAGGTTTCTGCTTGCATGGGTTGAACATCCTCTTACGCTGGAGAAGTTGGT
 ATTACCGATCATGAGCCTTCTCTCAACTTAACTTAAAGCTTCTCGTCCAGCTTGTGCTT
 CTGGGAGGAGGCTGATCCCTTGGAGGAGGAGGACTCTAATTTAGGTTCTGCTTCTGCTT
 CTGGTCTCTCCATTTGGTTTACCTTGTCTTGTATGAGTCTTGTCTTCTAACAGTGAAGACCTCAGCTGCA
 GGAGTTCTGGAGGAGGCTTCTGCTTGTCTTGTCTTGTCTTGTCTTGTCTTGTCTTGT
 ATTTGCAAGATGCAAACTGCTGCGCTGATCTGGCTTCTGAGTCAACTTAAAGGTTCTGCTTGT
 CGTATGAGGTGTCAGTGGCTCTACTGGAGGTGCCCTCAGTAGGCTATTGGGGTCA
 CTTGAGGAGGAGCTGTCGCTTCTGAGTCAACTGGAGGTGTTGGAGAACCCACTCTCTTCAAG
 CTGTCAGACAGGAGTATTGAGTCTGCAAGAATTCTGCTGCCATTGGTCACTTATGCCCTGCCCTAGA
 GGTGAGGTCTACAGACAGTCAAGGCTCTTGGAGCTGTGTTGGCTCTTCCAGTGTGAGGCTCTG
 GGCTTGTCTTACCTTCAAGGCTCTGCAATGGCGGACCCCTCCCGACGGCTCACCCCTTGAG
 TTGCAAGATGCTGCTGAGCAGGCTCTGCTGAGCTGCTGCTGCTGCTGCTGCTG
 GGATATAATCTCTTAGTGTGCAATTGCTAAGGACATTGGAAAAGTGTAGTATTAGGATGGAGTGA
 GATTTCAGGCTGGCCTGCTGTCAGGGCTCTTCTGCTAGGAAAAGGAAATTCCCTGACCAATTGCGCTTC
 CGGGTCAAGGTTGAGTGGCCACCCCTGCTCAGCTTACACTGAGCTGGCTGACCAACTGTCTG
 CTGCAACAGGCTCTAGGTAGATAAACCCGGACCTAGTTGGAAAATCAGAAAATC
 TTGCTCAACTAGGAGCTGTAGCTGGCTCTTGTGCTTGTCTTGTCTTGTCTTGTCTTGT
 TTTGTTATTTTAGTAGAGACAGGATTCTACCATGTTGGCAGGATAGTCCAGTCTTGT
 TCCACGGGCTCCGCCAAAGTGTAGGATTACAGGGCTGACCCAGGGCCGACATCTTCA
 ATATCTTAGTGGAGGCTCAAGCTGAGCTGCTTGTCAACATATTTCGGCACTCAGCA
 CTTACAGACTGTAACACCAAGTGGTAAGAAGATTCTTATCTCTAGTGGCTTCA
 AAATAATAGATGGAATTAGAAGAAAATTCACTGATTAATAATGCAAAATTGCTT
 CTTACTGGAAATTTCATGAAAATTCTGAAATAATTCTCTTGTCTTGTCTTGTCTTGT
 AATTCACTTTGGGAAAAGGACTCAGGAGTCAATTGAGGCTCATGCTCTCTGCT
 TATTGACTGTTTAAAAGGAAAAGAAAAGTGTAGTTTAAACACAGGACATCTTACATT
 TGCTTAGATATTCTCAATCTCCACATCAACTTCTCATTCTGAAATCTCTTCTACTA
 AACAGATTGGGAAAACATATAACAAACCTTTACTAGTGTCTCAACTCTTATTAGATT
 TGACTGAGCACTGCAACAGGCTATAAGGAAGTAAAGAAAACAACTAAATAAT
 TGTACTCTTCT
 CAGGTTGAGCAGCTGAGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG
 AGCATGTTGAGCTGACTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
 GCAGAGGGGACATATTCTAAAATGTGTTGTGAAAAGGTTGTAGCAGGTGA
 AGGTTGGAATTAGAGGTTGATACTGGGAGTGCACATGGTGAATTGAGGTT
 AGGTCAAGGCTAACTGGGAAAGATTCTGCTGCCATTCTAAGAAATTGGGCTT
 GGAAACCATATTAGAATTAAACAGAGAAGTGGCATGATAGCATGTTATT
 AGTCT
 AGTATTGGGCTTAACCCAGACAGTAGCAATGCTGATGCCAAAGAACCT
 CATTAGAGGCGAGAAATCACA
 GGAGCTTAATGACCAAGTTGATTTGGGGAGGGGAGGGGAGGGAGGAGGAG
 AGGTTGGAATTAGGATGACCTTATTAAACAGAGGAGGAGGAGGAGGAG
 AGTAAATGCTGGAGACAGAAGTAAAGACTAAGGTATGTTGAGGG
 GACACAAAATTGGCCAGGGCAGTGGCATATAAAAGACATTGGTCTG
 TGCAATTATTAGGAGTAAAGGTTCTACTGCTCTTCTCTCTCTCTCTCT
 ATGGCTCACTGCGACTTGGCTCTAGGCTCAAGTGTATCTCCCT
 CAGGCTCCAAAGTGTAGGAGGAGGGCTCACTATGTTG
 CAGGTGACTCTGCAACTCTGAGCTCAAGTGCCTCTCACCCT
 TGTCT
 AAATGAGGACCCATGCCAGCAATGCCAACTTAAAGATATGGCT
 CAGAAGAGGAGCATAGCAAAAGG
 ATGTTAAAAGGAGGAGAATCAGAGAAAAGCTGGACAAAGGAGGAGGAG
 GCTACTAGAGGAAAAGGAACATTAAAGATTGAAGAGGAGC
 ACTTCTGACTTCTGACTTCTACCT

FIGURE 3 (continued)

TAGTGAGAGTGGTTGGATAAAAATCAAATTGAATTGGATTGAGATATAAAAGGGAAAAGTGAAGACAGC
 CCTCTTCGACTACTTTCAAGAAACCTGGCATGGGAACTAGAGAGAGCATTGCTTCTACAGATAG
 GGAAGCTGAAACAAGGATAGTATGGTAAGGGACAGATGGCATTTCACATGCTTTGCCCTCTGAATAGTG
 ACAATCAGAACACAGCAGGTTAAAATACTAGGAAATTAGGAAATGTCTTGTATTAATGAAAACCTAAAC
 TAAAATGATGAGGAACTGGCTTAAAAGGAGGAGTGGACAGGGCTGGGGATTGTGGTAGGGGGT
 GAGGAAGGAGAACGGCTGGCATGATTGGCAGACTTACTGACTTGGACAAAGCCAGTGAATGGCAGTGACAAAT
 AAGCAAGATTGGGAAAGGAGGAAACTGAAATGAAATTGGAAAGAGAAAATGAATTTCGTTTGACATGCTA
 AGTTATATGAAAGATTGCGGGAGATTGGGAGGAAAGTGGGAGTCACTTGAGCTCAGGAGTTC
 AGACCCAGCTTGGCACAATATAAGACCCCTTCTCAAAAAGAAAACCTTAGTGGCTCTAACAAA
 TCGATATAGTGAAGTCACGGGAATTGGAGTGAATTTCAGAGGGTTGTGAGAGCAGCACAGGCCCTAAG
 AACGCCAAAATATAAGCGCTCAATAGAGGAAAAGAGCCGAAAAGACACTTGGAGAGGAGG
 CACAGAAAAGACTAGATAAGGAGTACTGAAACACAATAAAAAGGAGGAGGAGACTTGGAGAGG
 TTGAGCAGTGGGGAGAGTACCGGGCTTATGGATCACAGGTGGCTGGCCATAGTAAAGTGGCACT
 AAAAGTGCCTAGATTGAGGGGGTGTGAAATCTTGTGGTTGGGGGTAGCCGGGCATCTAGGAGGAACT
 GAAAGTGCAGATGTGTGACAGATGATGGTGCACTGGATGACACAGGAGCTGAGGAGGAGTGTGAA
 ATCCGGAGATGTGGGAAAGAACAGGAGCTCCGGTGTGGTCTAGGAGCTGAGTCAGACGGAGAAAATACA
 GGGCTGGAGTCCCTGAAAGCACAAGGGTAACCTTCAAGGCTTAAATTGGGGTAGCCGGCCCTGGAGGTG
 ATCCCTGGCCGAGCTAGGGCGCTTGTGGGCCAGGGCGGTGGGGTGTAGGAGGAGTGGCGATGCTAC
 CCGTAGCTGGGGAGAGTGGGGCGGTGGAGCCATCCCTAGGGCCACCCCCCCCACATCCGGGGGGAGT
 TCCCTCTCGGGCTCTGAGCACAGCTGATGGCCCTCTGGCCTCCACACGGTGTCT
 TCCCTCTCGGCTGCTTGGGAACTGCGCCGCCCTGTAGGGCTCCGGCCCCACGGGGCGGTGGG
 TTTCACCTGGGAAGACTTCTTCAAGGATTCTGCGCCGCTTGCAATTGCGGGCTGTGTGCGGAA
 GCTCCCTCATCCCTGACGCCAACCCCGTCTGGCCCTCTGGAGGCTCTGGAGACTGGGTGCGAGGGG
 GGTGGGGTCCAGGAGTGCCACGGGTAGGGAGGTCTAGGGGGAGGATCACCTGTGTTGGCACTTGGGG
 GAGAAGGGTCAAGGGACACCTCATCACCCCTAAAGGGACCATCTATTAGTTCGGCCATAGGGCCCTT
 TATTGGCTCACCTCACCGATCACCGCTGATTAAGGATTAGGGTGTGAGGCTGTGGCTGCTC
 CACCTGCACTAGAATTAGTCACCGAGGAGTGGCCACGGGAGGACGACCCGGTCCCCCGCCCTGGACAGT
 GTTAGAGGGGAGCGGCTCAGGGCTTCTGCGGACCCGGAGAAGGGTCAGGTCCCCGGGGCCAAAAGGA
 AGAGGCAGCGAGGAGTGGGGCCCGAGGAGGAGAACCGCCGCTGATTGGCTCGGGGCTAAGG
 CTACTGGGGATGTGTGTTAGTATTGAGTATTCCACCTCATTAAGTATTATTAATAAACTTTT
 GGAAATAATTAGTGGAGGAGGAGGTGCAAGATAATACAGCTTATCTCATATACTCCAGTACAGTT
 TCCCCAAGTGTAAACATCTTACATGACCAACGGTACATTGTCAAACACTAGGGCACCAATTGAGGATT
 GCTACTGCTAACTTCAAAATTCTGGATTCTGACTTAAAGCTAATGCAATATAAGTATT
 TTTAAATAGCAGAAAAGGGGGTTAGTTTACATCAATAATTAGGACCAAAATGATTITTTGA
 GACAGGGTCTGCTGTGCCCCAGGTGGAGTGCACCTGGTGTGATTGGCTACTGAGCTCTCAACCT
 CCTGGCTGGAGCAATCTCCCTACCTCAGGCCCTGGTAGTGGGAAACAGGTGGCACCACATGCC
 GGGCTAAATTCTGATCAAAAGTATCTTCAAGGAAACTTGGCTATTATCATATCATACCTTATA
 AAGATTGTTAGGCACTTGTGATAGTACAGTACTCTGAAATGTAATGAAAGTCACATTAGACAAA
 ATGTTAACGTGTAAAATAAAATCTGTCATTCTCCAGCTGACAGATATGACAGGATCATTAGAATG
 CATTATTCAGAGTCTTACTTATTCAGTAACTTCAAGTGTGAAAAGGTTAGACTAACAAACTCATTTGTGA
 AAATGTGCTTTCATCTCATGTTACTTTCACACTGTAAGATGGTGTGGTTTATGTGCTGTGAGGATATGC
 AGGATTAGGGGAGGCAATACTTCCATAAAAAAGAATGGTGTGGTTTATGTGCTGTGAGGAGA
 GGAATGGGTGATTGGCATGAAATTCAAGTGGGACTCTAATTCGTTATATCTACTCCACTGG
 AGCTGCACTTCAGTACTTGTGTTACTTCAACAAAGCCTTATGAAAACATTGGACACACATAGG
 TTTCTGCTGAGACATCTCTGAGAAATCAGCTTCTGGCTGAAGGGCATACTCATCCCCATACTGC
 TCAGGGTGTGACTTGGAGTCACTAATGCTTCTCAGCTGAAAGGTGTAGCTGCACTTCATACAA
 CTCCATCATGCTGCACTGGTCACTTACCTGGCTTCACTGTTGGCTTTCAGCTGGCCATT
 GGAACCAAGAAAAGAAGAATCAGTAACTTCAAGTGGAAATGAAAACAGTACTAGAGAGAGCACCCTAGG
 AATTACATGGTGTGAAATTGATCATCTCCGGTACTCAGGGTGCACACACACATAGGAAATCTT
 GGTGTGTTAATGTTGAGCTTCAAAATCTTCTGCACTGAGTAACTGGTATTCGGGATATGGAGAATTAG
 AGTTAAATCAGGAAATGAGACTCTGCTTGTAGTACAGGACATCAGCTAATACACTCAAATACATAAA
 TATAAAATACATTAGTGTGAGCTATACAAAGCATATACTCTAGTTCAGTTGAGGCAAGGACA

FIGURE 3 (continued)

AAAAATCTTGTATTCGACATGGGAGACAGCTTGTGAAAACAAAATTTGGAAATAAAAACACGCTAT
 ACTCTAATCAAAACAACGTGAGATTAAATTATAGACTAAGTCAAAAGAAAAGAAAAGATAAGAAAAT
 CCTCCAAATCTAAAAGTAATTATTTACAGTGAGTTAAGGTGCTTCCTCTTATTTAA
 TTGTTAAAATGATAAAATGTGTGACATACATAATATGTATGTATATGTTACACAAAATACACAT
 GTATATGTGTGTTGATTTTAAATGACATGTTGTTCAATGACATGCTTCAGCTGACATCTGAGCGGAA
 GTTTGGCTGTCAATGGCATACCTGTAACCCACTTACATAATACATGACAGTATCTCAGCTCAGGAA
 ATTGCACTTCTAGGTTTTATCTTCAAAAGGGCTAGCTGTGATGGTTATTGTCACACTGTTTATT
 TCACTATCTCTCAGGTTTCAAAATTATGACATAATTGAAATTTCTACATACATAGTAGGATC
 GTGGAACCTTATAAGTATTAAAGGTGACACATGTAAGAAATTAGACACTGTGCAAGAAAAGACGGCC
 ATCCGGTGTGAGAGACTCATGGCTTGTAGGCTGCAAGGCTGCAAGGATGGTGTGACAAAGGTG
 TGTCCAGATAATAGAAAATTAGCTGTTAACAGCTTAAATATCTTGAAGACAGTATTGATAGACT
 TTTTCTCTGAAAGTTGCTTACTGTATAAAATGTTCAACAAATAAGTTTGGAAAGACAGCTGTGCT
 GCGTAGCTGTGTACTAATGCAAAATGTTAAATTACATAGGCTTCCACAGGG
 GAAACCTAGACTGATTGAAAGATGTTATGCAATCCACACAGTCTGTGACTGCAAGGTTATTTG
 ATCTGTTGACATGTGCTTATGTGTGATGACCCAGGCTGGAGCTGTCTATACATGGCTAACCTTC
 TGAGGAACAGTAATTTAAAGTGTGAAAGTGTGAAAGTTAAATATTGTGAAGGTGAGTGGCTTA
 GAACCTAAGGTCATTGTGACCTTCTTCTATGAAATTAATAGGGAGAACATCTCTCTGGAGAC
 AATTGGGAGAACCTTGTGCAAGCAGTTTCTTCTAGTAAACACTGAAACACCCCTCACAGACACA
 CTGATGTTTACCTTGTGCTTCTGAGCTTCTGGCTTCTATGTTGAGCTGATATAAGCAGGCTGAGGCT
 TTTTGTAGTAGGTTGAAGGGCCACTGCTTTGGCTTCTATGTTGAAAGAAATTGAACTTCTCTCAT
 AAACATCATTGCACTGGTTGTGTTGACTAAAGAAAACAAAACAAAACAGGTAAACAGGT
 ATTGAGGAAGTATTCCACCAACTCTTAAATTCTACCCATTGTGCTCTCAGTTGTGAAACTGTGAT
 TCTCTGCTAAATGCTGAATAAGTATTCAGACCTCTTATGGAAATATCTGTCACAGGAAAT
 CAGCAATAGCAGATGTGAGTTCTTAAACACACTGTGTAACCTCTAAATACACGCAACAT
 GTTAAATCACAATCTTAAATATGATCTTGTGAAATTTGAAATGCTTAAATCACAATGAA
 CATATTTCACATGAAATATTGAGAAAGTATTGTTAGTATTATAAAATTGACATTCAAGAGAATGC
 AAAGACAAAGCAATAGTGTGAGGAGAAAATTTGCAAAACATGAGACATAATAAAACACTCAACAA
 ATAAAAAACTCAACAAATAAAACAAACAGGGCTTTTAAATGGGCAAAAGACTCAAGGAAACCC
 TCACAAAGGAAGACATACAGCACATGAAAAATGCTCAATCATATGTCACTAGGAGATGGCAAAATTACAC
 GGCTACTAGATGGCTAAAATGAAACACCAATGCTGAGCAGTATGAGCAACAGGCCTGTCATT
 TACTGCTGGGAAAGCAGCTGGCAACAGCCACTTGTGAAAACAGTGTGGCAGTTCTTACTAGTTAA
 CCTAGTCTTACCATAGCTGAGCAAACTTTGTCTCTAGGTATTACTCAATATGTTAAAACAGTGTCC
 ACAGAAAACCTTGTGCAACAGTGTGATTTATGAAAATTTTTATTTATGCAAAAATTGGAGGAA
 CTAAGATGTGCTTCAAGGTGAATGGATAACAAACTGTGTTACATTGTAACCTTAAATATTCTG
 ATATAAAACAAAAGACTATGAGGCGCTGAAAGGAGCACTTAAATGAGGAGGACTGTAATGGAGCC
 AGCCTCAAAAGGCTACTGTGTTGATGAACTACAGTGTGACATTCCAGAAAAGGCCAAACTGTCAACAA
 AAAAAAGATCAGTGTGCTGCAAGGAAATTAGGGGAATGGATGACAGGTGAGCACAGGGACTTTAG
 GGCAGTGAACATTCTGGAGACCTGTGTTACTGTGCTTCTAGTGTGAACTTCTCAAATCTCATAG
 AACAGTACGACATCAAGAGTGGCCAACTGAAACTATGTTGAAATATGATGTTATCAATT
 AGATCATCAATTATAAAATAAGCCACACTAATGTGAAAGTGTAAATATAAGGGAAACTGTGTTGTT
 TGAGGGGGGACATATGAGGCGCTTACTTCGTGACAAATTCTTCTGAAACCTTAAATGCTTAA
 AATCAAGCTTATTAAATAAGACCAATTGGCAAATGAAAGCACAACACCCCTGCAACTTGTG
 TTGAGACATATGTTACTTCTTCTATGTCGAACTGTGTCATCACAAGGCCACCGTATGCTAAGGT
 GGTGGCCATACGCAAGGGCTGTTACTGCAACTGAGTACTGAGTACATGTGGTTGTTCCAGAGAGGCC
 ATGAATGGCCCAACAGGCCCTCTAGAACTAATGGCAACACTTCTGTCTACTAGTGTGAA
 GCTTGAGAAGACTGAATATGAGGCAACCATATTCCCTGATCATTATTAGAGAATGAGAGTACAACTAGAGA
 GAAAAGAGAAGAGACATGAGAATGACTGTTGAGACTCTAAATACCCCACT
 CACTCTGGACTTCCAGTTTGTCACTCAGTAACTCAAACTACATTCCCAATTGCGAGCTAG
 TTGGAATACTTTCTATCATTGCAACTGAAAATTCTCAGTGAATATAAAACCCAGTAACTATCCAG
 CTCACCTCTGTTAACCTACTCGATTATGTTGACTGTTCTTCCCATCTCACCCTACTGATTGAGAAA
 TACCTATTGCAACACATTACAGGCACTAGTCCACAGCAGCACTGTTGTGCTTATCCTAGACTAA
 ACAACTGTAACAAACCTGGTCAACTGTTCTTCTAGGAATTGGATGAGTGGGATTTCACACTGGT
 CTAGAATGGGAGGGTCTGTGAGTAGCTATGTTGCTTGTGAACTGGGAGAGTGTAGAC

FIGURE 3 (continued)

CACAACCTGAGAGAAGAATGATGGTAGAAAACAGAGTTGAAAAAATCCTGACAACATT
 AAGTCTTGTTCATCAGGTCCAAGGCCAGCCACACTCCAGGCCATTCACTGAGACTAAATCTA
 ACCTTACTTTAGTCTCGTTTTATGCTTTACTTATGTAAGGTAAGAATTGGTAGAAGTTAGTACT
 GGTTCAGCAGGGTCAGAAGACTTCCAGTGAGGACTCTTGGTTCTGAGACTGCTTCAACTC
 AGGCATGCCCTCAGTCAGTCCAGGCCACTATATTTCTACCTGGAAATAAATGGAAACTACCCCTACC
 CAGCTCACATGGGTGGCAAGGACTGAGTGTATGTTACAGAGAAAACAGGACAGGGGAAATTCTAAT
 GAATTCCTCATGGAACTGAAGGCTTCTTGGACAGGCCATACTCCCTGTGAAGGCCATAGTCTACTAGA
 ACATACATCTAAAAGAAGTGAATTATAAGAAGTACTGTACATGCCATGTGAAATTCTCAAACT
 GATCTTAAATTTCTACCTGTTTCTAAAGGTTCTGTGTTTGTGACTAAGAATTGAT
 GTTCCAGGATTCCTTAAAGTATAGGGCGTCCAGGAATCTCCCTGGTGGAACTTCCACAGAGTC
 AGGCAGGAGATTCTGGATTTCAGTGAAGAACAAAAGCAGGTGCAAAATGACTTGTGAAATTGAT
 ATTAACTAAAGACAACCCAGGCTCTATTTTCTGGAACTATAAAAGTTCTTAAAGTCTGGTT
 TTGATTTCTGGAAATGGCAAGTACTATCTCTGGACAGGAAATAGTCGCTGTGAATAATGGAAACCC
 TGAAGAAATAATATGCTGAGCTGCAAGCATATTCCACATAAAGTACAAAATTGCTATTAAAT
 AAAACTCTCCCTGTAAATAAGTGTATTGTGAACTCTTCTTCTTCTTCTTCTTCTTCTTCTT
 TCTTCTGACTTGTGAAAGATTCTTCTGAAATTTACACTTGTACTAATCTTCTTCTTCTTCT
 CCTACTGATTCTAGTTGCTGAAACTTGTGAAATAGTGTGTTAAAGGAAAGTTCTTCTACTTCT
 TTGCTTCCAGGTTGTGTTAGAAATCTAAAGAACATTCTCTTCTAGCACTCTCTGGGCAAGACACTTGTGCT
 AAAATGCTCTTCTCTGTACCTTTATGCTGTTAAATATACTCTTATTCATCTTCTCTCT
 TACTCTAGATATAAACTCAAGATCTGTTAAATGCTCAATAACAGGACTTACTGCCCTGGAGGAGAA
 GGGGATTCTCTCTCTGGAAATTCTAGAGGGGGAAATGGTGTGCAATTAAACTCTCCACAAATTAA
 AATTCTAACAAAAAAATAAAATAACTCTGAAAATTCTATGAACTTCTTCTTCTTCT
 ATTACTGCTTAAATGTTGAAAAAAATATACATATGAGATTAGAGAAGGTTGGAAGCTGTAAT
 TAGTAGGGTTCTGGATTCTGGATTCTGTGTTGTGTTGGAAAGACTTCTGTAGGACTCTCTGT
 ATTGGTATCTCAAGAGACTATGTGTTCTATGTCATTCATCAATCTAAAGGCAAGTATTGT
 CACAAAAGCAGGTTAGCTGGTTCTCACCATAATTGATTACATGTGAACTGGAAGATTCACTAGGC
 CACCAAATTTGAAATCTCTTCAAGGCAACTTCAGCAGAACCTCTCAGGATACAAATCAATGTAC
 AAAATCTAACAGATTCTTACACCAACACAGCAGAGCACAATCTGACTGAACTCCATTCA
 ATTGTTCAAGAGAATAAAACCTAGGAATCTAACAAAGGGAATGTCAAGGACCTCTCAAGGAGA
 ACTACAAACCACTGCTCAAGGAAATAAGGAGATAACAAACAAATGGAAAGAACATTCTCATGGT
 AGGAAAGATAACATCTGGAAACAGGCCACTTGTGCAAGGTCATTCACTGAGATTCACTGACCCATT
 CGAGGGGCTGAAATCT
 ACATCTGAAGGCTGTGCAATGTTCTCTGTGTCACAAATATTGCTGTGCAATTGCTCTTCT
 TTGTTATGTTACAACTTAACTGATATTGGCTATCACCCGAATACTCTCTCAAATCTCT
 AAAGCACCTGTGAAGATTATAAAACTCTGAAATACTCTCTCTCTCTCTCTCTCT
 CTAGAGGCTCTGATACTTGTGAGATAAAACTCTGAGATTCTGAGAAGACCTCTGGGCAACCCAGCT
 TCACTCTGCAACAGACACTACTCAGATAAAGGGCTGATCTTAAACTCTGCAAAATAAGACATGGGAA
 AGCTTAAATATAAGGAGACAGCTGTGCACTTAAATTAAAAAAATTTTCCAGGAAATAATTAA
 AGAACTCTGAAGAAATGAGAAATCTGAAAATAAAACTTAAAGTGAATTGAAATTGTAACACTCTCAAG
 TGATTACCTCCCGTGGAAACAGCATCACACCCAGACATGTGAGACAGTAAATTCTTCTCAACCTCTCAAGT
 AAATGATAAACTCTCAACTTACACAGTTTCAACAGCTTAAAGCACAATAAGGAAATTCTGTAATCT
 CAAGCTGGCATATACCTAGTATAAAATGACAAGAAAGCACAATACTGCAAACTTCTCTCT
 TGTGAAATATAAAACAAATAACCCCTAAATTACTTGTGAAATAAACTCTAAATTAAATACATTAGGAATG
 CAAGAAACATATAAGGAAATCTTAAATTACTTGTGAAATAAGGATTTGAGCTGCTGATATGGCCTGA
 AAAATTCTATGTGGAACCTTAATGTTCTGAGTGTGAGATAATTACAGGTTGGGGCTTGGGAAAGGATT
 AGATCAGGAGGGCTCTGCCCTCATGAATAGGATTAGTGTCTTAAAGGGATTGAGGGAGCTGTG
 CCCCTCAACTATGGGATGACATGAGAAGGTGTCACTTGTGAAATTAGAGCAAGCCCTGGCAACAGCT
 GAATCTCTGGCAGCTTGTGATTGGACTCTCCAGCTTCACTGAGCAATAAGTTCTATTATTAA
 TAAATTACCCAGCTTCAAGATGTTTGTGATAGGCTGTTGAGACTGAGACATACTGGCTTGTG
 TAGGAGAAAAAAATCTAACATCTGCAAAATACTTTGATCTCAACCTCTATTCTAAATTAA
 ATGATGACTTGTGAAATTAAATGAAGAATACTCTATAATATTAAATAATTATTCTCAACAAAC
 CCATAATAATGCTAACCCAGAACATGAGATTAGTGTGATTATGGCTGTGACTACCCGTTTACATT
 TTCTCAAAATAACTAAGTGAAGAAAAATTAGTGAAGATATTATAAAAAGAAGAGACAAATT

FIGURE 3 (continued)

ATTTGCAAAATAAAGGAAAGCAAGGAGAATCAACTAAAAAAACAATGAAAACATAAAGAAGTTTTA
 GGTGCTGTTACATTTACGCTAAAATTATCTTCTATCTTCAACAATAAACAATTAGAAAATGATAT
 AATTACATCCTAGTGATACACACATTATAAATTATGCTTAAATATCGTTAAATGATAACATCT
 TATATACACCACTAGTCAACCAACAGGAAGTTAACATTAAATGAAATTATGGACAGGTATTTAAATT
 TCATCAGTTGTTAATAAAGCTTCTTTCTGGTTAGAAATCAATACAAGACCTTGATTGCGATT
 GTTGTAACTTCTTCTTACCTTTAATCTGAAACAGTTCTACTCATTCATGCTTCTCATGACCTT
 GACACCTTTAAGAAAAGACTTCTGTTGTTGAGAACTTCTGTAATTCAGTTAGGTGTTG
 TGTAACTAAGATAATTCAAGTTATGCTTGTGAGAGATACCTGTGAATGTGACCTTATTAGAAATACAGTCT
 CTGAGATGAGAAATAAGTTAGATGTCATTTGGATTAAGATGACCCAACTTCAATGACTAGTCTC
 TCTGTAAGGAGGGGGAAATTGGACATGGACACAGGAGAGGAGTGCGATGAGAAATGCGAGACAA
 AAGAGAGATACAGATAACAAGAGGAAGCCATGACCAATGCGAGAAAGATTGGAGTGATGATCAACCA
 GCAAAATGACTGCAAGGATTGTCACAAACCCAGAGACTTGAGAACTTCATGCAAGTTCTCTCTAG
 AGCCTTCAGAGAGGACAGCCTGTCAGCAGCTGATTGACACTTACCCCAAAACTGTGAGAGAAA
 TACATTTTGTTGTTTAAACCTCTGTTACCTTAATGTTATGACGCCCTAGGAAATAATACAA
 CCACAAAGTCACTGCTGTTCTCTCATGAACTGATTAAGGACTGATGCCATATGCTCATTT
 ACTGTTGCTTAAATTGAACTGATTTTCAATGTTAAAGGACTGGCTGGTTTTTATTGTTG
 ATCATGTTGAAAGATACTTGTGAGGCGTGTAAATATACTGTTCCCATCAGGCTTTGTCACAAATTGTTA
 GTATCATTTCTCTGTATTCAACTAAGTTACTGTTGAGAAAGGCTTCTCTCATTT
 TCCATCATCTCTGTATTCAACTAAGTTACTGTTGAGAAAGGCTTCTCTCATTT
 GGATCTCAATTATTGTTTATATGACTATGAGCTTGTGAGGTTATTGATGGTTTAAATC
 ATTACTCATATTATTGTTGCAAAATTGCTCAGATTGTCATTGGAGCTCCCTGTTGGC
 TCTGTTGCTCTGACATATTCCAAAGTATTGACATTTCCTACATTCTGTACCAACAAAGTCC
 TTATGTTGCTGCTTGGCCATCTGCTCCTACATTGTCAGGAGCTCTGCTTCTTCTTGT
 AAAGAAGGAGTTTAAAGATAAGATCTTGGTGTGAGATGCTATTGCTATTGTTG
 AGATCTCTCAGAAATGGGCTAGGAAATGTATGCAATTACACACATCTGATATTCTACATTAA
 TCTATTGAAATTATCTCTGATATTGAAAGACTAGAAGGCTATTGATACCTTACCTTCAACATCT
 AATAACACAGGGTCTTGTAGCTTGTCTTGTCTTGTCTTGTCTTGTCTTGTCTTGT
 CCAATTATTTCTTATTGCTTAACTCTAGAACACAACTAAAGTAGTTTCAGGATTTGCAAACTTCAATT
 TCTTAAACAAACAAATTAAAACAAACTTAAAGGTTATTGCTACTTTTCAAGCTTCAATTATATA
 TCGAACTTACTACTTTTAACTTGTAAATTGATGTTAAAGATCTGTTTCAAGGTTACTTAAT
 GTTTGAAGGACTATGTTGTTAAAGATGCTTGTAAAGGCTACAGGCAATTAAGG
 ACTGTTAAATTGAAAGATCTCCGAAAGAAAATACAGATGATTAGACTGATAGGAAACACAGC
 ACACACACAAAGGCTACAGATGACTCTTGGAGGTTGGGTTGCTCAGGGAGTTGAAACTCAA
 AGGGCATCTGAGGCTGTTGGGGGAGACATCAAGGATTAAGGAAATTCTCCTTAT
 TGCACTGCTCTCAACTTGTACTGCAAAATTGAGATCTCCTAAAGACTTACTGATGCTTCAACCT
 CACTCCAAGATATCTGAAATTAGTTCTGTTGGAGTTAGGCTTAGTAATCAGTAATTCAACTTAATGTT
 GCACTGAGGAGGACTGACTGTTTACGAAAATTGTTGTTTACTGACTTACCTCCCTGGGACCAGC
 AATGGGCTACAAATACATTAGCTTACTGCTCTAGTAATGAGTGGAGCACCGTATGCTCAGTGGAGTT
 AGAAAGTGTCTCCAAAGGTTAGGAATTCCCAGAAAATGGAAGGCTTCCATGCCAGAACGGCAAGT
 TATAAACACAGCACATCAATGTCAGCCAAACAGTGCACATAGACAACTTATTGATCTTATTAA
 TAAGACTGTTAACTGGGTTGCAACAAAAGACACACAGAAAACAAAAGGATTAACAGGTAAGA
 AATCCACCTATGAGGAGAGAACACAACTAACATGCACTAAAGGAGGAGAATTACAGC
 AGACTTAAACAATAAGAAAATTACATTGCAATGAAAGCTGACTGATCTCAGTAATGAAAGGAAATA
 CCAAACTTAACTAAGTCTTGAAGAGAAAATAATTGTCAAAGCAGAACATAAAACTGTGAAATA
 AACTCTTAAAGATGAAATTGTTGAATGAAACGGCTGGAGCAAAAATCATGAGCTGAAAGGAGAAC
 GAAGGCGAAAGCAATGAAAATTAATGAAAATCAAGCAGATGGGATAGATTGTTGAAATTCA
 AATTGTTTATTGGAAGTACTGAGGCAAGAAGGGACAGAATGAAAGGAAGAAATCATGAAATAA
 TATACACAAATTGTTGTTACCTTAAAGGCTTTTAAATTGAGATTAAATTGTCAGCAAGGTTAAG
 TAAATTAATAAAATAAAAGACCCCTGCTTGAAGACATAATTGTAAGAAACCTCAGAACAC
 GAAAGGTTTCTAAAGGAAAATGAAAGACCTTGGAGGAAAGACCTGTTGAAAGCTCAAGGAAAGAAGT
 TGCTACTTCAAAAGGAAAATGAAAGACCTTGGAGGAAAGACCTGTTGAAAGCTCAAGGAAAGAAGT
 TGAGATGGTTAGGTTAGGAACTTGTCACTGCCAAACCCCTAGCAACTTCCCTTAAAGGCAATATGCACT

FIGURE 3 (continued)

CTGCCCTCGACAAAGCTAAGTCTAAAGAACTAATTAACTCCCTATTTATTCATGTTGAATGCTTCC
 AAAATAGCAGATATTGTGTCAAAATAGAAAATACAGAAGGATTACAGCTTCTCCCTCTAGACAATT
 CTGCTTCTGAGGAATAGTGTGAGGAGGTCAAGCTGGAGGAATGAAATAATGGGATGTGCAAACAAAGGCT
 CAGTAAAAGATTCGAACATGTGTCACATGAGCTTATTTTGGCTCTCATTTGACAGTGTGATGAA
 TAACAGAGAATTTTAAAGTGTGATGTCACATGTCAGCTTCTCAGAAATGAAATACTTGTGACTATGCG
 CTTTCTCCATAAAAGTAAAAGATTATTGTGTCAGCTTCTCAGAAATGAAATACTTGTGACTATGCG
 TCTAAATATGGTGCAGTACAGTTCAGTTGAGCTACTTAAATTAAATTAAAGTGAATAAGTTGAA
 ATTCACTGCTCTCAGTCACATTGACACATTCACTCTGTCACATGGGAATAGAGCTACTC
 CTGGACAGTCAGTATTGGCAGCTCCACATCATAGGAATGAAAGCTTCTGGACAGCTGTAACTCAG
 ACACCTGGATTTGTATACCTTCAGTCAGTCAGTCAGTCAGGGAAAGCAAGGCAAGGACCAACCC
 TAAGAGCCATCTTATGGCACCCAGAACACAGCTCTCTTGGCTCTAAAGGCTTGTCTAGGATGCA
 AAGCTAGCAGATTAGTGGCCACGGCTCCACATCTGAGGACTCTCTGACCTGTTCCAAACACA
 GTCACCGCTAGGAATCTAAAACATAACATTGGCCTCACTCAGCACCATTCTACTCTACTCTGC
 TATGTTGAATTGTGTTAGGTCAACATACCTTGGCTGTACAATCAAATGTTGCTCACACAAGCTA
 CAAAGTGCAGACCTGAGTACAGTCAGTCAGTCAGTCAGGGAAAGCAAGGAAACAAACTTATTTCAGATG
 AATGCAAAATCAGGATGGAAGTAAATCATAGTCAGTCAGTCAGTCAGTCAGTCAGTCAGTCAG
 CAATGTAAGGAACTGAGCACTAGGGCTGCCAATGTTATCAATTCTTCAAAACATTAATGTTCT
 GAAGCTAGCTATGAGCAGGGCTGTGATGTTAGTGTGATTTAAAGCTGAAGGCAAGAGTATC
 CTGGAGCTCTAGCGGGGACATAGTGTAAAGCAGCTTGTGATTTGATAACAGTGTGTTAGTGTCAAGTA
 AAGGGTTGCTAAATGTCTGGGAGCAAAGAGGAGGATGTTAGGCTGAATGAAGGCTCTGAGAAGTTATT
 GGGGGCAAGGGGGTTGGGGTGGCAGGGAGGAGCTTCTGGATAGAAGGAAATGGCTGAGTA
 CAGGGGCTTAAAGTGCACAGGGAGTCTGGGACATTCTGACATGATGAGAATCCCTGAATATAAATT
 AATGCAAGGGAGTGCAGAAGGTTAAAGTGGAGAAGACAAGGAGCTTCAAGCTTGGCTTATATG
 TCTGGTTAAGGGCTTGTGTTGATCCCATAGTGTGGGAGCAGTGAATGAGTCTGGGCTTATGGGCTTATATG
 ACATGGCTATCTGGCTTAAATTGTGTTAGGAGCTTGTGAGTAAAGGAGGTTAGGAGGTTAGATTTGAA
 GGGAAACAGAATGGAGGCAAATTATTGGCATTGTGAGTAAAGGAGGAGCTGAGTGGAGGCTGTGGA
 GGGAAAGGAAATTGAAAGGAAAGTGAACCTGGAGAACATTTAAGGAGGAGCAAAGGAAAGGGTAGAATT
 AGAGTATGTCAGATTACTGTCTGGCAAGTGTGTTGGTGTACCTTACCAAGATGGAGAATA
 CATGAGGAGAACAGGCTGGGAAACCCATTCTGAGTGTGTTAGGAGTATGGTGAATTGAAATGCTAG
 GGACCTTGGCAAATATGCTAGCGAGTTGTTGTTATGAGCCCTGAAGGTCAGAGGAGAACAGCAA
 CATTCCATGTGCTTAGACACAAAGCAGTCATCATTAATATTCAATGACAAATGTAATTAA
 TCTCTTAAATGATGTTAGTGTGTTAAAGGAGCAGTGGTGTAGAAATCAGTCAGACTTGG
 ACTAAGCTGCTTATTCGAAACCTTGTGAGGCTTAAACTGTGTAATCATAGAATATTCTCTA
 AAATCTAGCTTCTTATTCCTAAATAGGATAACATAAAAGCTGTTAAATTGCTGGAGAACCT
 TCTACTCTTCTTGGAAATAAACCTGAAATTAGGTGACAAATTGGCAACCCAGCTGAAAACCTCA
 TTTGAGGCTTCTTCTGAGTGGCTACTGGAGTGGAAATTGCTGGGAGTGGCTACTCTGGCT
 GGAATTAGGGCTTCTTGTCTCCTAAAGGAGGAGCTGAGGAGCTGGAGTGGAGTGGAGTGG
 CAGAAAGTGTGCTATGGACTAAGTTAGACCACTGGGAGATGAGTGGAGTGGAGTGGAGTGG
 GCATCCCCCTAAAGACAAATTAGCTTGTGAAATTCTTCTCCACTCTCTGCTGACTACACTG
 GCTATTGTAAGAACCATCTGGCACCTAGATGGAGGCTAGTGGAGGCTGAGCTGACACAGG
 CCGGGATCTCTGGATGCCCTGGGAGGAAATGCTCTCTAAGGAGGATGCCCTAACACCTTGAAC
 TATTATGGAGGAAAGGACATCTTGTCTTAAAGGACTATATTGGGCTCTCTTCTGGAGTAG
 TTTAATCCATACTCTAAGTGTGACTTGTGAAACTTGTGAAAGTATTAGATTCTATAGC
 GCCACATTCTGTTTAACTTAGATATTCTTAAACCCATGCACTGGCAGTATTGCAATT
 TTGCAATTCTGCTTAACTTGTGAAATTGGGAGATGAGTGGAGGAGTGAATAATTCTGTCT
 ATTGGTAAAGTGTGAGGCTGACTTACTGTGTTAGATAAGACTTATTAGGAAGGAGTGAAT
 TTACGGTACATGAATGAAAATATTGTCTGAAATTCTGACACACTTCTTAAAGGAGTATA
 CATACTTACATGACACAAACTTAAATACAAAGGATTTGGGAAAGCAGCTGCAAACCCCTT
 GGTGAAAGCTTACCCCTGGCTGTCTTCAACCCAAAGGAGTGTGAGTGTCTTCTGATTGATCAGAAGCTT
 CCACAAAGTAAACGGCTGAGGCTGAGGCTGACCAAAATATTGTGTTCTGAGTCTTCAAATATTCTGAAAGAC
 ATAGATAAAAATCCCCCTGGTGTGAGGTTGTTCAAAATTGAGAAATTGAGAAATCAAACTTATTAGGAGTAT
 AACTAGGTAGGGGGCAATGGCACACTCCACACCATCCTGACTCCAGTTT

FIGURE 3 (continued)

GGTCAAAAACAAACCCCACTCTCAAACCTTACGGAGGGACTGGTAGCTATGCAGAGCTCCAGCTGT
 GGAGGGAAGTACGGATGCCAACATTGGGGCTTCCACATCTCTCTCTCTCTATTCTATCTCTCTCTCT
 TGAATGAGGCTAGAATGGAAAGGGACTACAATAACAAAGAGTGGACCCAGTGGCCAAGAGGTACTGGC
 ATTGACTTGAATTGGTAGGTATGAAACCAAAGTGGAGGCTTGATGAGTACTGGTAGCTTCTCTCTGT
 GGATTCTAAACAAACAGAATCTGGAGGACCTCTGAAGAAAGATGATCTGGCATGAAATAAGGATT
 CTAAGCAGAGTGTGATTTATAGGCATTTCTGAGCAGGAAAGGAAAGGCTTCAACCTCTC
 CTGGCTCTCTGATGTTACCCAGTGGCAGTCATCACATGAGGCTATGACTGAGTTTGCTTATGGAGG
 CATCTGCCATGGGAACACAATTCTCAAGACATGGTAGCTTCAATTGGCTTCAAGGATTCTTCA
 GGGCTTGTAGGAGAAAAGTGTAGTAAATTCTGGCCAGGAGTGGCTTGAAGATTATGAAGTCTAA
 ATTCTGTGGAAATTAAAATCTAAATAAAAGGAAAACCTTAAATTTTGAGGGACACTGCCCTGTCTTAAAT
 TCAGGGCTTGTGGCAATTAAAATATGTTGCTCTATCTGTGCTCTTGTCTTCAAGTGGCCAC
 TGAGTCATCTGTCTCTACTCTGTCATCAACAGAGTCTGACAGCTTCAAGGAAAGTACTCTT
 TAAGATTCTCTGGATTTGTCTTGTAACTAACAAAGCTCAATTCTGAACAGGAAACTCCCTGAGAATTC
 ACTAGATTGAAACAGAGTGTAGCTTGAATACAAAGGTGCTTAAATTCTTATGCTTCTT
 CTACCCCTATCTAAATTCTGTCTTGTCCACTGGACACACGGGCTCTGTGCCAAAGAGATGTGGA
 CAACTGGAGAAAATTATTGACCTGGGTGTGATGTCCTTAAACAGGAGACAGTCACTGGTCTG
 CATTGGTGGGGTTCTAACCTCTAGTAAAGAGGAGGGTGTGATATTATTCTATGTTCTGTTCCAAAGT
 CTGTAAGTCTGTGATGAAAATCTCTACTCTCTCATCCAAGGTCAGTTGCTCTCAAGTAGACAG
 TCTCCAGGCTTCTCATGATGTTGTAGGCCATCTCAGGGGCTACCTCTTATGAGCAGAAT
 ATCTGATTCTCTAGTCTGATTGTGAGACTGTATTGGTTCTTCTTACACTAGACACTCATGGTGGTC
 TAATTGATTGTTGTCAGGGAAAGTACTGACCAACATGAGAATTGTGCTCTGTGATCCCTAAAGAATATACAGA
 GTTACTGATGGTCTCACATTGCTTCTTCTTCTTCAAGCTTAAATAGACATTGCTACTACATTG
 TGAATGTCATGCTTCTCTCTTCTTCAATTGCGCATGGCTTGTAAAGTAAGTGTACTCATGCTGGGCTTGA
 GGATTCTCTGAGATAAGTGTGTTGGAAATCAGAGTGTATTCTCCGAGTGTGCTCAAGTGTGAATTCTTAA
 AAGAGAAGGAAACTGTCATTAATAATGTTGAAACAGAGTGTACGTCATGTTAGCCTAAACTAAAGCTTAA
 AAATTATTGGGAACTTGCACAAACAAAGTGTGAAATGTCATCTTCTTAAAGGTGATAAAATGTTCTTCTGT
 TTAGTGTGAAAGAATGAAATGTTGTAGGCCATAATTTCATCCTTACATTAGTTGCTTAAAGCAGGAGCAG
 GAAAATTGGAACACTGAAATTGTTAGAGGATAAAAGGGCTGGGACAAGAGATCTTCAAAAGG
 TGAGATAATTGTTGATTCCAAAAGAATTCTGTAACTTTAATATGTTCTAAGAAAATTCTCT
 AAAAGTGTCTCTGATTAACACTAAACATGTCCTAAAGACTTCTTCTTCTTAAATTGTAATAAT
 TAAAGGATAAGGATAACATTCTCTTCTTCTCTACTCTGTCATGGTCATTTCTGCTCTGTCT
 TAAATGAAAGCACCTGTAATTTCATTAATAACAAATGAAATAGAGTCAGAGAAGTAAATTATATAAATC
 ATACATCATCTGTAATAACAAAGTCAGTCATCTCTTAAATTGCGAGAACATATAATTGTTAAACAAAGGG
 CTCTGACTTGAATTGTCATTAATAAAATGTCATGTCCTCTGCTTAAATTGTTCTTAAATTGTTAAACAA
 ATTTAAAGTGTCTGACTTCTCTTCTATGTTGAACTAGAGAATGTTGAGGAAACCTTCTGAGGTA
 AAATTCTCTTCTTCTGCTTCTTCTTCTTCTGTTGTTGAAAGGAAATGCTGGTGTGCTTCAACTG
 AGACCATCTTACAGACTTGTAGTAAAGGCTATAATTGTCGAAAGTAAAGGAAATTGTTGTTGTTT
 TTCTGAGTAAAGTCTGAGTCTCTTCTACCCACTGACATATTAGGGCCAATGTTGTTGTTGTT
 CCCACGATTTCTGAGGAAAGTGTAAACAGGAAAGTGTAGTACTCTCTTCTCTGGAATTGTCACAA
 TAGAACAGAAGGCAATACTTTTATCTGCCAGTCTGGACCCGGCTGACAATAAGAAAATACGGTACT
 CTTCAGGCTTGTGATGACCTGGCAAGTGTAAACAGGAAACAGGCTTCTGCACTACATAAAAGGGTGTGACAGTT
 AATTTCATGAGGCCATTGTCACAAAGTGTAAACATCGGAAACAGGACAACACCCAGCAATAT
 ATTATATGAAATAGATTGACATGGAATCTCAACTTAAGATTGTCATACATTATGTTAAGACTTTG
 AGCTAATGAACTCTGTCATTAACAGGTTGAAACAGGATTGTTGTTGTTGTTGTTGTTAAGGAC
 CTGATATCTTGTGAACTACAAGAGTAAGGATGTTATCTCCAAAGTCAGACTAAATAGCATGTTCTGCC
 CACTTCCCTGAGAATACCAACGGTGTCTATCTCATCTTCTGAGGAAGTCACCTCTTCTGGGTGAAA
 TTCTGTCATTGGCCCTTGTGTTGCAAGATTAGGGCGAGTTACTCTCTGTTT
 TATTAAATCACATTATATACATATTGTCATATAATTGTTATGTTATGTTATGTTGAGGATGCTTA
 CATATGGCTTCTTGTGTTCTATCTGACTACATATAATTTCATGACAAATGTTTGTGAGGATGCTTA
 TTGCAAAATAGTGTGATTAATATAGTATTGTTATGTTATGTTATGTTATGTTATGTTGTTGTTGAGG
 CATTGAGATAACAGGGACTAACAAAGAGGAAATCACAACAAAGAGTGAAGAAAAGAGAATTCTT
 TCTTTTGTGTCATGAAAGAAATCTTCTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 TGACCAATTACTTTGAAATAATCATCAAATAAAATTGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG

FIGURE 3 (continued)

CTTATCCTTCTCACTTTATTTGCTAAAGGACACAGGTTCTCAATGGTTTCTAGCACAGTTGC
 AAATGTATTCTTACCAAGATTTGTTATGTTATAGAATGTTTAATGTATGTTAGAGAA
 TGTTATTGAAATGAAATTATTGAGTTCAAGAGAAAATCTGAACTTAAAGGCAATGAAAGCACTTA
 GCTTACAAGAACAGAAGATTTGACCTTTTCACTACCTGGGCAATTGGGCTGAGTGTACCTTT
 GCGGCCAAATACACTATGGTCAGGAAGTTGAGATGTCAGGGCAACTGGTGTGAGTGTGAGCTTGC
 GCAGATTCACTAGTCTTGTCAACTCAGGGCAACTGGTGTGAGTGTGAGCTTGC
 AGGAACCTAAAGAAAATAGCAAAATTAGAGACGATATAATTTATTTTACCTTGC
 AAATATGTTATCATAGTGTCAATATCATATGTCATATGAGCTGAATAGACTTTAGCAAA
 TCTAGTCCAATATAGTATTTATATTAAACACTGAAGTTAGAGAATTACGGGAAATGCTCAAA
 TTGAGTGTCAATAGTCATAGAGAATTTAGGTGCTGGTCAAGGTTGAGTGTCAATACATAGT
 TTGCACTCTGCACTTTTCAACCCAGTTGTTTGTGTCATGTTGATCTAGTTTCTCAA
 CTCCAGCATAAGCTTATTGAGAGCAAAATATTCTTTATGTCGCTTCGTGACCCAAAGCACCTAGCT
 AAGGTTTGCACAAATGGTGTGTAATTTTACTCATTTAGATATTACGGTTGGCTGT
 AACTACCATTTTAAATTATGCAACATGCAACAACTGAGAATTTAGGTTGAGAATTT
 GAGAAGTTAAAGACTGTTGTTTACTCATTTGAGACCTCTGAAAAACTAGTCTTGTGAAACAG
 AGTACTCAGTTTCTCATCTTTTGATATAACTCAACATCTAAATGTCATCTTAATGGAAACAC
 CAAACAGCTGGCCAGGCTACACCACTTCAGTGTCTGGCTGAAATGACAGGGCCCAAATCAGC
 AAATGTGCAACCCACCACTCCATCAACAACTCACTGCACTGGGCAACTGAGCAGATTAT
 TGATGAAGACTACAACCTGAGGAAACTGATGGGATATTGTCATCAAGGTTTACCTGAGGCTGT
 ATACCATACCAAGCAATACCAATATAATTAAAGGCTTAAACTAGGTTTCTATAGTTAAT
 TCCATTTTGTTTATGCAAAATATTCTGCAATAAGTTAAACGATTAAACCAAGCTGTAAGGG
 AATCTGTTACTGTCAGAACAGCTTCAAGAAAATCTTAAAGGAAAGTTTAAATGGAACAAAGAATG
 ATACCTGTTACTTAAAGTACGTAGCACACACACTTTAAAGCAACCAACAAATAGAACACAAAGC
 CAGCTAAACTTCGCAATGGGACTCACACCTCACATCAATATAACCTTAACTGTTGAGCTTAA
 CACCATTTAAAGCAGACAGTGGCAAGTTGATTAAAAAAACAGGCACTTAAATGTCGTGTTAA
 GAGAGCCATTTCACATGTAATAACACCCATAGGCTTAAACTAAGTGTGAGGAGGGCTATCACACAA
 ATTGAAACAAATAGACGACTGGGCTATTCTTATAGCAGATACACAGGCTTAAAGCACA
 AAAAGTACACAAAGGAGGTTATAATAGGCAAAAGCTTCAAGAACAGACTTAAACTA
 AACGATATGCAACCAACTGGGACACTGAGATTCAAGACAGTACTCTCAACCTCAAAAGACT
 TAGACAGCACACAAACATAGTGGGGACTTTACACCCATTGACGACGATTAGACAGCATCTGAGGGA
 GAAACTAACAAAGAAAATCTGCACTTAACTGAACTTATAATAACATCTACAGAAACTCTCAGGCA
 ACCCAAAATATACATCTGCACTGGGAAATATCTCAAGGATTACATGTCAGCTCCACCA
 AAGCAAGTCTCAACAAATTAAACACTGAAATTGTCACCAACTACATCTCAGACCACTGCA
 AATAAGAAATCAATGCAAGAAGATTCTCAAAACACAGAAATTACTGGAAATTAAACACGTGCTACTG
 ATATGACTTTGTTAAACATGAAATTACCGAGAAATCTGCAACAGCTTCAACGCTTGAATGCA
 ATACCAAAACTCTCAAGTGTGAGCAGAAAGCAGTGTGAGGAAATTTAGCATAAATGTC
 TAAAGTGTGAAATTTCTGCAACTGAACTGAACTGAAATGTCAGTGTGAGGAAACAA
 ACTAATGCTAAACTCCAAAGAAAACAAACAAACTGAAATGCAAAACTGAAATGCA
 AAAATCTCATAACAGGAAACACAAACAAAGGTTTTTGAAAGTATAACATGATGAGACTG
 CAGGCTAGATTAAACAGAAAAGGAGGAGATAATAATGACAACTCAGAAATACAGAA
 AATAAGTCAATGCAAGAAGATTCTCAAGTGTGAACTTACCTCTGCAACAAACTG
 ATAATCTAGAGAAAATGAAATAATTCTGCAACACACAACTCTCAAGATTAAATTAGGAAAATATTGA
 GACCATGAAACAGATCAATATGATCTCAAGGAAATGAACTTACAGTATAAAATCTCAACAAACGGCC
 CTGGAACAGACTGATTCTCACTGGTAACTTCACTGGAGATGTCACAAAGCAAGCTGGC
 ATCTGCACTGATGAA
 ATAATTCTAAAGGAGGGACTCTCTCAACTCATCTCAACAAAGGCGCATCATCTG
 CCAAAACCTGGAAAACACAAATAGAGAAGGAGAAAACCTATAGGCAAAATATCTG
 AAATGCTCAATAAAATCTGCAAGTGTGAACTTACCTGAGACTTACCTCTGCA
 AGGCTTGTGAGTACTTATTTGTTCAACATACAGAAGTGTGAAATGTTTACACAA
 AAAACACAAACATCTGATCATCTCAAGGAGGTGAGGAAAGCTTCAATAAAATCTCA
 TGATAAAAACCCCTCAACAGACTGGTGTGAGGAAATATCTCTCAAAATAAAGGCTATCTG
 ACCCAAGGCCATATCATCTGAAATGGCAAAAGCTGGAGCATTCCCTGAGAAGTGG
 GAATGCTACTTACCTTACCTCTCAACACTGAAATGGCAAAAGCTGGAGCAGGCA
 AAAGACATAAGGCAACCAAAATAGGAAAGAAGCAAGTCAAAACTATCTCT
 CATGAGCTATATAATT

FIGURE 3 (continued)

TATACTTACAAAACCTTAAAGACTCCACCAAAAGGCCCTCTGGAAACGGAAAAATGGCTTCAGTAAGCTTC
 AGAACACAAAATCGACGTACAAAATCTAGTACCTTCTATATACCAAAACATTCAACAGGGAGCCAA
 CTCAGACTACAACTCCATTATGATAGCCCCAAAATAAAATAAAATACCCAGGAATACACCTGA
 TGAAGAAATTGAAAGATCTCTACAAAGTGGAGTAAAGGGAAAAAAACACTGCTAAAAAATCATAAATAATACAAA
 CAAATGGAAAAAAACATTCATGCTCATGGACGGAAACATCAGTATTGTTAAATGGCCATACTGCCGAAG
 GCAAACCTGGATGGATGCTATTCCATCAAACACTACCAACGTCTTTTACAGAATTGGAAAACAT
 TCTAAATTTCATATGGAAACAAAAGAGCCCCAATATCCAAAGCACCCTAACGAAAAGAACAAAACCT
 GGAAGCATCATTACACTTACAACTACATAAGCTCGTAGTACCCAAACAGCTTGGTCTGCC
 CAAAAAACAGACACATAGGCCATGGAACAGAAATAGAGAACTTAGAATAAAAGCTGCACACCTACAGACA
 TCTAACCTTACCAAAGTAAACAAAACAGCAATTGGGAAAGGACTCTATTCAAAATAGATGCTGGG
 TAGCTGTTAACATATCCAGAAAATTTGAAAGTAGACCCCTACTTCTAACATGTCACAAAATTAACAAA
 GATAGACTAAAGACTGTAAGATCTCAGACTATCAGAATTCTCTAGAAAAAAAATTCACAGGAAAC
 CCATTCTGATATCTGTTGGGGAGGTATTCTGACTGTAAGCTCTTCAAAAGCAATTGCAACAAAACCA
 AAGTAGGACCTAATTAACGAGACTCTGACAGCAAAAGACTATCACAGAGAACAGCACAC
 TACAGAAATGGAAGAAAATTTGCAAACTATTCCACTGACAAAGGTTAAATCTCATTATGTAAGGAA
 CTTAACCAACAGCAAAAACCCATTAAACATGCAACAGGAACTTCAACATGCAACAGACACTCTCAAAA
 AAAGACATAACAGTGGCAACAAAATGTCAAAATGTCACATTAATCATTAGAGAAATGCAAGTCC
 AAACACATAATGAAATACACTCTGTATATGCTCAGAATGCTATTATGAAAGGCAATTGCAACAAAACAGAGATGC
 TGATGAGCTGTGGAGAAAAGGGTACACTGTGATGGAATGTAATTATGATCAGACTACTGGGTATACCTCA
 GATTGGAGATTTCACAGGAATTGAGACTACCCCTCAACCCAGCAATCCCATACTGGGTATACCTCA
 AAAGAAAATAACATCTTACCAAGAGACACACACACACACACACAGTGTTCATCACGACACTATT
 CACAAATGCAAAAGACATGAAATCACCTAGTGGCTTACTAGTGTGGATATGGATAAGGAAATACCTGGTAC
 ATACACCATGGAAATACTATGCAACCGAAAAGAGAAATTAACTATGTCCTTGTGCAACATGGATGC
 ACTAGAGGGCTTATCTCTAACGAAAATTAGCAGACGAAAACAAATACCCATGTTTATTTAAAGTGGG
 CATAAGCATGGGACTACTATGACTTAAAGTCGCAAAAGACTACCTGGGACTACTAGAATGGGAGG
 CAGAGAAATGGAGAAAAGATTGAAAACACTATTGGGTACTATGCTCACTACCTAGGTGATGGACTCAA
 TCAAACTCAACCTCAGCATCACACATTACCCCTTAACAAACCTGCATATGTAACCTCTGACT
 AGTAAAACACTGAAATTATTTAAAATTAACATTCACATTATCTTAACTTACCTAGGAAATCTTCAATTG
 AAAGTTGTAGAGTTAGCTCTGCTGAACTGTCACCTGGCCTCTGGAAAACCTAGATGAGGGCTTGG
 GAAAACCTCAGGAATTCTTACTACTCAAATTAACCTTAACTTACATGAGAGGGCATGTTAGACAAAGTTGG
 TTTCATACATGAGCTTAACTAGTGTACTGTGGAACTCCCTCTGGCATAAACTTACACTTAAACCA
 AACAGCTTCCCACCTCTAAATCATGCCCTAGGTGGCTCTGTCTACCTCCAAAAGCTTATGTAATCTC
 CAGGTGACATTATTGTTAAAGGAAACACAGTGTAGATCTGTAGTAAATTCTACACTCTCAT
 AAAATATTGAAATTCTGCTGTGACTTTCTCTCAACAGATCAAATGCCATCTCAAAATCTGT
 TTCTCTTAAGGCTTACTCATCAAAACATTTCTGAACTTGTGTTACCTGCATACAGTATATCAAGCTTGT
 TTTTAAACTCTGAAATTAAATTACAGGAAAATGTGTTTGTGTTGGCCAAACACACTCTCTGAA
 ATGGGGAGAAAGTACCATTTCTAGAGGCTGGGGTTTTCTACCTCTGAGTGTATGGTTATCTCAGTGT
 TACTGTAACTGATGCTCTGAAAACAAATTTCTTAAATAAAAGCTTAACTTCTCATGTAAGCTTAAAT
 TTAGTGTACTCATCTTCAATTACCTTAAATATTGTTATCATGAGTGTACCTACCCAGAAC
 TACAAGAGAAAACATTCTTTTTTAAAGAATCTAATGAAAGTACTAACGCCATCCATTAGTG
 ATATTAAACCAACATGAAAATACTTTCTGAGGGTGTAGAATTGTCAGGTGAAATTTCACAGGAAA
 AATTATTCCATACAAATGTTGGACAAATTATTTCTCAGAGAAACTGCAAAATGTCAGGTGAGGCT
 CCAGGTATTCTCAAAATTAATGCTTCTGCAAGGTTTCTCAAGGCTTAAAGCTTAAACACTGATCATCTGAGCTT
 AACCTGTAGACAGGGCTCAGAGGAGAGGCAACAGAGAAATGAGGAAACGAGAAAAGGATAGTGT
 CAAATGTCATCATAGACATTCATCATGCCATGCCCTAGCACATCAGTGTGGAAAGACCTTGA
 ATCTCCCTAACCCAGCTCCCCATTCTGCTCTGTAAGAAAACGAGCTGAGAGGAGTTGAGGAA
 GATGCCACAGCAGACTGCAAAACTGCAACTGTGTTATCTGACTGTGAAATACAGTT

FIGURE 4

MEDLCVANTLFALNLFKHLAKASPTQNLFLSPWSISSTMAMVYMGSRGSTE
DQMAKVLOFNEVGANAVTPMTPENFTSGFMQOIQKGSYDAILQQAQADK
IHSSFRSLSSAINASTGNYLLESVNKLFLGEKSASFREELYIRLCQKYYSE
QAVDFLECAEARKKINSWVKTQTKGKIPNLPEGSVDQTRMVI.VNAVYF
KGKWKTPFEKKLNLGYPRVNSAQRTPVQMMYLREKLNIGYIEDIKAQIIE
L.PYAGDVSMFLLLPDEIADVSTGLELLESEITYDKLNKWTSDKMAEDEVE
VYIPQFKLEEHYELRSILRSMGMEDAFNKGGRANFSGMSERNDFLSEVFHQ
AMVDVNEEGTEAAACTGGVMTGRTGHGQPQFVADHPFLFLIMHKITNCILF
EGRFSSP

FIGURE 5

Characteristic	Cases	Controls
	N=352	N=418
Gender (% male)	246 (70%)	182 (44%)
NIDDM (%)	36 (10%)	10 (2%)
Hypertension (%)	154 (44%)	53 (13%)
BMI (kg/m ²); mean \pm SD	29.4 \pm 5.7	26.8 \pm 6.2
(range)	(16-61)	(15-58)
Current age; mean \pm SD	48.1 \pm 7.3	43.0 \pm 14.3
(range)	(29-74)	(20-70)
Age at diagnosis; mean \pm SD	39.3 \pm 4.9	N/A
(range)	(22-51)	
Qualifying event		
Angiography	54 (15%)	N/A
CABG	53 (15%)	
MI	190 (54%)	
PTCA	42 (12%)	
Other	13 (4%)	

All variables differed significantly (P<.0001) between cases and controls